AGENDA

Greater Asheville Regional Airport Authority Regular Meeting
Friday, October 17, 2025, 8:30 a.m.
Council Chambers at Fletcher Town Hall
300 Old Cane Creek Road, Fletcher, NC 28732

NOTICE TO THE PUBLIC: The Airport Authority welcomes comments from the public on any agenda item. Comments are received prior to the Board's discussion of the agenda item. Comments are limited to five minutes. If you wish to comment on an agenda item, please deliver a request card (available in the meeting room) to the Clerk to the Board prior to the agenda item being called by the Chair.

I. CALL TO ORDER

II. PRESENTATIONS:

A. AVL Kind Video – Angi Daus

III. FINANCIAL REPORT (**document**)

IV. CONSENT ITEMS:

A. Approval of the Greater Asheville Regional Airport Authority September 12, 2025 Regular Meeting Minutes (**document**)

B. Approve Grant of Conveyance of Sewer System and Easement with Metropolitan Sewerage District of Buncombe County for the Air Traffic Control Tower (**document**)

C. Approval of Amendment No. 3 to Ground Lease and Agreement between Sheetz, Inc. and the Greater Asheville Regional Airport Authority (**document**)

D. Approval of the Greater Asheville Regional Airport Authority September 12, 2025 Closed Session Minutes

V. OLD BUSINESS: None

VI. NEW BUSINESS:

A. Presentation of Annual Audited Financial Report for Fiscal Year 2024/2025 (**document**)

B. Approval of the Greater Asheville Regional Airport Authority Board Schedule for 2026 (**document**)

C. Ratify Completed Repairs to Parking Garage and Reclassify Approved Expenditure from Capital Improvements to Renewal and Replacement (**document**)

D. Approval of Construction Contract Change Order No. 7 with Kokolakis Contracting for the Air Traffic Control Tower and Associated Facilities Project and Approve Owner Allowance Project Items (**document**)

E. Approval of Change Order No. 8 with Hensel Phelps for a Tower Crane and the Addition of a Construction South Access Road (**document**)

VII. PRESIDENT'S REPORT:

A. Hometown Heroes Award

B. Terminal Project Update

VIII. INFORMATION SECTION:
(Staff presentations will not be made on these items. Staff will be available to address questions from the Board.)

A. August 2025 Traffic Report (**document**)

B. August 2025 Monthly Financial Report (**document**)

C. October 2025 Development/Project Status Report (**document**)

D. Potential Board Items for the Next Regular Meeting:

- None identified at this time

IX. PUBLIC AND TENANTS' COMMENTS

X. CALL FOR NEXT MEETING: November 14, 2025

XI. CLOSED SESSION

XII. AUTHORITY MEMBER REPORTS:

A. Key Strategic Elements (**document**)

XIII. ADJOURNMENT

This agenda of the Greater Asheville Regional Airport Authority is provided as a matter of convenience to the public. It is not the official agenda. Although every effort is made to provide complete and accurate information in this agenda, the Greater Asheville Regional Airport Authority does not warrant or guarantee its accuracy or completeness for any purpose. The agenda is subject to change before and/or during the Board meeting.

Asheville Regional Airport
Executive Summary
August-25

AIRPORT ACTIVITY

	Month	Variance to Prior Year	Calendar Year to Date	Variance to Prior Year
Passenger Enplanements	108,459	(7.9%)	726,950	(7.7%)
Aircraft Operations				
Commercial	3,392	(0.4%)	21,288	(2.2%)
Scheduled Flights	1,265	(5.9%)		
Flight Cancellations	30			
Seats	133,281	(7.4%)	895,787	(7.4%)
Load Factor	81.4%	(0.5%)	81.2%	(0.4%)
General Aviation	3,649	(12.4%)	25,641	(16.7%)
Military	186	(18.1%)	1,443	(34.7%)

FINANCIAL RESULTS

	Month	Variance to Budget	Fiscal Year to Date	Variance to Budget
Operating Revenues	$ 3,264,015	1.1%	$ 6,911,978	1.9%
Operating Expenses	1,487,795	(20.2%)	3,328,693	(23.4%)
Net Operating Revenues before Depreciation	$ 1,776,220		$ 3,583,285	
Net Non-Operating Revenues	$ 187,822		$ 439,980	
Grants:				
Federal Grants	$ 3,763,010		$ 3,763,010	
NC Dept of Transportation Grants	-		7,979,567	
Total	$ 3,763,010		$ 11,742,577	

CASH

Restricted - PFC Revenue Account	$ 27,368,354
Restricted - NCCMT (Debt Service Series 2016)	296,067
Restricted - Bond Series 2022A	183,243,243
Restricted - Bond Series 2023	1,548,398
Designated for O&M Reserve	19,730,628
Designated for Emergency Repair	650,000
Unrestricted, Undesignated	42,693,315
Total	$ 275,530,005

RECEIVABLES PAST DUE

	Total	1-30 Days	31-60 Days	Over 60 Days
Advertising Customers	24,738	8,441	6,006	10,291
Delta	84,505	63,928	13,471	7,106
Enterprise	16,475	8,690	7,785	-
FAA	735	335	160	240
JetStar Aviation Leasing, Inc.	11,060	3,870	7,190	-
Raiser LLC	2,869	2,869	-	-
Sun Country	3,295	3,295	-	-
TSA	2,350	2,350	-	-
United	129,138	58,796	37,148	33,194
United GoJet	55,853	27,393	24,622	3,838
United Ground Express Inc	1,005	858	147	-
Total	$ 332,023	$ 180,825	$ 96,529	$ 54,669
% of Total Receivables	14.94%			

Note: Excludes balances paid subsequent to month-end.

REVENUE BONDS PAYABLE

	Original Amount	Current Balance
Parking Garage Revenue Bond, Series 2016A	$ 15,750,000	$ 7,940,000
Parking Garage Taxable Revenue Bond, Series 2016B	5,250,000	-
Terminal Revenue Bond, Series 2022A	185,000,000	185,000,000
Terminal Revenue Bond, Series 2023	175,000,000	175,000,000
	$ 381,000,000	$ 367,940,000

CAPITAL EXPENDITURES

Annual Budget	$ 194,154,905
Year-to-Date Spending	$ 5,991,626

REGULAR MEETING
GREATER ASHEVILLE REGIONAL AIRPORT AUTHORITY
September 12, 2025

The Greater Asheville Regional Airport Authority ("Authority") met on Friday, September 12, 2025 at 8:30 a.m. in Council Chambers at the Fletcher Town Hall, 300 Old Cane Creek Road, Fletcher, North Carolina 28732.

Members Present: Britt Lovin, Vice Chair; Carl H. Ricker, Jr.; Nathan Kennedy; Gene O. Bell; and Susan Russo Klein

Absent: Brad Galbraith, Chair; Laura B. Leatherwood

Staff and Legal Counsel Present: Sabrina Rockoff, Authority Legal Counsel; Lew Bleiweis, President & CEO ("president"); Tina Kinsey, Chief Administrative Officer; Lexie Farmer, Chief Operations Officer; Amy Harris, Chief Financial Officer; Samuel Sales, Chief of Public Safety; Shane Stockman, VP-Information Technology; John Coon, VP – Operations and Maintenance; Christina Madesen, VP – Business Development and Properties; Angi Daus, VP – Air Service Development and Corporate Communications; Jared Merrill, VP – Planning; Angela Wagner, VP – Administration and Human Resources; Kyle Montague, IT Systems Technician Lead; and, Karen O'Conner, Accounting Administrator.

Also Present: James Moose, AVCON; Paul Puckli, CHA Consulting; and, Amanda Sheridan, McFarland Johnson.

Call To Order: The Vice Chair called the meeting to order at 8:31 a.m.

The Vice Chair explained he would be running the meeting this morning and welcomed everyone.

Service Award Presentations:

Karen O'Conner: The Vice Chair acknowledged Ms. O'Conner's service of ten years to the Authority.

Shane Stockman: The Vice Chair acknowledged Mr. Stockman's service of ten years to the Authority.

Tina Kinsey: The Vice Chair acknowledged Ms. Kinsey's service for fifteen years to the Authority, including most recently her involvement with the new GARAA logo and launch video. The Vice Chair acknowledged the board's appreciation for the communications and marketing of the GARAA and the new terminal all under Ms. Kinsey's leadership.

Presentations: None

Financial Report: The president delivered a review of enplanements, aircraft operation and general aviation activity for the month of July. Enplanements are down for July 2025 compared to last year and year to date compared to last year. Terminal construction and emergency ramp repairs led to an artificial cap from the carriers for number of aircraft which has contributed to the decrease.

Ms. Harris reported on the financial activity for the month of July. Revenue was over budget and expenses were under budget for the first month of the fiscal year. Ms. Harris provided cash balances in the GARAA accounts as of the end of July 2025. The Vice Chair asked questions regarding receivables. Ms. Harris reported that several of the past due receivables on the report have been cleared since the end of July 2025 and explained others.

Consent Items: The Vice Chair stated that Consent Item C, approval of the Greater Asheville Regional Airport Authority August 8, 2025 Closed Session Minutes would be pulled for review in closed session.

A. Approval of the Greater Asheville Regional Airport Authority August 8, 2025 Regular Meeting Minutes

B. Approval to Extend Temporary Construction Easement for the Sewer Line Easement Granted to Sergio and Autumn Mendez

Ms. Russo-Klein moved to approve Consent Items A and B. Mr. Bell seconded the motion and it carried unanimously.

Old Business: None

New Business:

A. Approval of General Aviation Fuel Flowage Fee Increase: Ms. Madsen explained that in March 2008, the Authority approved a fuel flowage fee of $0.05 per gallon. The fee has not been increased since implementation. The fuel flowage fee contributes to the Authority's requirement from the FAA to be as self-sufficient as possible. Staff conducted a survey of fuel flowage fees in NC and two airports in SC. Staff is recommending a $0.09 fuel flowage fee as of October 1, 2025 and a review of the fuel flowage fee every three years and include any increases as part of the budget process. Staff has met with Signature Aviation and the pilot association to update them on these changes. The Vice Chair voiced approval of the three year review process and the reasonableness of the fee. The president commended the staff's communications with the aviation community.

Mr. Ricker moved to increase the fuel flowage fee to $0.09 per gallon and reevaluate the Fuel Flowage Fee every three years, and authorize the President and CEO to execute and implement the necessary process and documents. Mr. Kennedy seconded the motion, and it passed unanimously.

B. Approval of New Minimum Standards Requirements for Airport Commercial Aeronautical Activities: Ms. Madsen explained that minimum standards are required by the FAA to establish the threshold entry requirements for those entities wishing to engage in Commercial Aeronautical Activities at the Airport; ensure that those entities obtaining the approval of the Authority to engage in such activities are not exposed to unfair competition, and protect the public from unsafe or inadequate or substandard aeronautical products, services and facilities.

In April 2004 the Authority approved and adopted Minimum Standards for the Asheville Regional Airport. On July 19, 2004 the Minimum Standards were updated and amended by the Board. The new Minimum Standards have been established to comply with FAA Grant Assurances and Advisory Circulars. These new Minimum Standards were developed taking into consideration the role of the Airport, the range level and quality of aeronautical products, services, and facilities currently being provided at the Airport, the future needs for and the anticipated development of the Airport and the community and the promotion of fair competition at the Airport.

Any existing activities or service provider currently under a fully executed and approved lease or operating agreement will not be required to meet the standards until at such time that the service provider's lease or agreement with the Authority is modified, renewed, or a change in the service provider's ownership occurs.

Ms. Russo Klein moved to approve and adopt the Revised Minimum Standards Requirements for Airport Commercial Aeronautical Activities effective October 1, 2025, terminate the existing minimum standards effective September 30, 2025 at midnight; and authorize the President and CEO to execute and implement the necessary process and documents. Mr. Ricker seconded the motion, and it carried unanimously.

C. Approval of Land Disposition and Land Exchange with Henderson County: Ms. Madsen explained that in May 2023, the Authority approved entering into a Simultaneous Exchange Agreement for Real Property with Henderson County. This exchange of two parcels on the west side of the runway allows the Authority to acquire

a piece of property that will create a larger frontage parcel for future aeronautical development. In addition, the Authority was to grant Henderson County a Right of First Offer on the adjoining 65.80 acres. Each of these were pending FAA approval.

Since this approval, staff has been working with the FAA and Henderson County to resolve issues identified by the FAA. Staff is recommending approval of the following documents: (1) Amendment to the Simultaneous Exchange Agreement between the Authority and Henderson County to remove the Right of First Offer, having the Authority dispose of a tract with Henderson County acquiring it under a Purchase and Sale Agreement between the two parties, with the sale price being $8,350,000.00 as determined by two independent appraisals and a review appraisal; (2) Tri-Party Agreement between the Authority, Henderson County and Wild River Corporation, which removes land use restrictions on the property being acquired by the Authority as required by the FAA; (3) Easement Agreement between Henderson County and the Authority for a new roadway until such time as it is dedicated for public use; and (4) Acknowledgement of Reverter Amendment between the Authority and the City of Asheville. The property exchange and purchase agreement are contingent upon Henderson County Commissioners and FAA approvals.

The value of the properties to be exchanged was determined by appraisals that were completed on the properties. The fair market value for the Henderson County Property is valued at $2,285,550 and the fair market value of the Authority property is valued at $2,285,393. The fair market value of the third tract is referenced above as the purchase price. The purchase price and expenses incurred by the Authority over the past few years on this project will be paid at closing.

Mr. Kennedy moved to approve the land exchange and land disposition and all documents associated with the transaction and to authorize the president and CEO to execute the necessary documents. Ms. Russo Klein seconded the motion, and it carried unanimously.

D. <u>Adoption of the Asheville Regional Airport Five-Year Capital Improvement Plan (CIP) for FY2027-2031:</u> Mr. Merrill explained that the FAA requires all airports to submit a Five-Year Capital Improvement Plan (CIP) to be eligible for federal project funding. CIP priorities through FY2031 provide for the continuation of existing programs already underway or planned. This includes, but is not limited to, the Terminal Building Modernization Program, New Parking Garage, Runway and Taxiway Sealcoat, New Airport Entrance Design and Future Development Projects.

Mr. Merrill made clear that the CIP is considered a planning and administrative tool for Authority staff, the FAA and the NCDOT Division of Aviation. Adopting the CIP does not approve any contracts nor provide staff with any authorization to award design or construction projects. Staff will present individual CIP projects to the Authority in accordance with all applicable policies.

Mr. Bell moved to adopt the Asheville Regional Airport Five-Year Capital Improvement Plan. Ms. Russo Klein seconded the motion, and it carried unanimously.

E. Approval of Scope of Services No. 3 with McFarland Johnson, Inc. for the Planning and Conceptual Design Services for the New Airport Entrance: Mr. Merrill explained that the recent Airport Master Plan Update identified two major needs for the Airport over the next ten to fifteen years: additional parking and extended curb front for the Terminal. The Authority approved Scope of Services No. 2 with McFarland Johnson in March 2025 for the design of the new parking garage and the internal roadway improvements. Scope of Services No. 3 would include the design of the new main entrance at the intersection of Fanning Bridge Road for the extension of the curb front. Airport staff have been working with McFarland Johnson to develop a scope of work and negotiate a fee for the planning and conceptional design of this new entrance and necessary improvements. Staff have also already had several meetings with NCDOT, who is on board with the project.

Mr. Ricker moved to the approve the Scope of Services No. 3 with McFarland Johnson, Inc., in the amount of $91,275.00 and to authorize the president & CEO to execute the necessary documents. Mr. Kennedy seconded the motion, and it passed unanimously.

F. Approval of Amendment 2H with Gresham Smith for Terminal Project Design Add Services: Mr. Merrill presented the amendment for scope of design services, explaining it was put together to cover design add services for necessary Terminal program changes. Due to the Air Traffic Control Tower delays, the Terminal project team had to rephase the completion of the project. The rephase includes the use of a tower crane to complete the new south concourse, permanent checkpoint and baggage claim expansion. The amendment includes consultant services to complete the Safety Risk Management (SRM) survey with the FAA that will be necessary. The amendment also includes necessary adjustments to the design of the Terminal Phase 2, including expanding the security checkpoint from four to eight lanes, adding four ticket counters, adding an elevator to the south concourse, relocation of the

electrical/communications rooms to match new phasing lines and necessary changes to tenant spaces.

Airport staff has negotiated with Gresham Smith to complete all of these design add services for a total cause of $380,000.00. This amendment along with the other previously approved add services bring the total contract for the Terminal with Gresham Smith to $21,554,227.00. This is just under 6% of the cost of construction.

Mr. Bell moved to approve Amendment 2H to the design contract with Gresham Smith in the amount of $380,000.00; to authorize president and CEO to execute the necessary documents; and to amend the FY2025/206 budget by adopting the budget ordinance amendment. Mr. Kennedy seconded the motion, and it carried unanimously.

BE IT ORDAINED by the Greater Asheville Regional Airport Authority that the following amendment be made to the annual budget ordinance for the fiscal year ending June 30, 2026:

Section 1. To amend the appropriations as follows:

EXPENDITURES:

	Decrease	Increase
Capital Improvements		$380,000
Totals		$380,000

This will result in a net increase of $380,000 in the appropriations. Revenues will be revised as follows:

REVENUES:

	Decrease	Increase
Transfer from GARAA Cash		$380,000
Totals		$380,000

Section 2. Copies of this budget amendment shall be furnished to the Clerk to the Greater Asheville Regional Airport Authority, and to the Budget Officer and to the Finance Officer for their direction.

Adopted this 12th day of September, 2025.

_____
Brad Galbraith, Chair

Attested by:

_____
Lew Bleiweis, President & CEO

President's Report:

A. FAA Visit – Washington DC : The president reported that he and Ms. Kinsey met with the FAA on Monday in Washington, D.C. Many changes have taken place within the FAA in D.C. with the current administration. The president and Ms. Kinsey were able to meet some of the new administrators and deputies and explain some of the projects going on at the Asheville Airport.

Information Section: No comments

Public and Tenants' Comments: None

Call for Next Meeting: The Vice Chair stated that the next regularly scheduled meeting of the Authority will be October 17, 2025 at the Council Chambers, Fletcher Town Hall.

Closed Session: At 9:11 am, Mr. Kennedy moved that the Greater Asheville Regional Airport Authority go into closed session pursuant to North Carolina General Statute 142-318.11(a)(3), to consult with an attorney retained by the Authority in order to preserve the attorney-client privilege between the attorney and the Authority, which privilege is hereby acknowledged. Ms. Russo Klein seconded the motion, and it carried unanimously.

Open Session resumed at 10:55 a.m.

GREATER ASHEVILLE REGIONAL AIRPORT AUTHORITY SEPTEMBER 12, 2025 CLOSED SESSION MINUTES: Mr. Kennedy moved to seal the minutes for the Closed Session just completed and to withhold such Closed Session minutes from public

inspection so long as public inspection would frustrate the purpose or purposes thereof. Ms. Russo Klein seconded the motion, and it carried unanimously.

GREATER ASHEVILLE REGIONAL AIRPORT AUTHORITY AUGUST 8, 2025 CLOSED SESSION MINUTES: Mr. Kennedy moved to approve the minutes for the Greater Asheville Regional Airport Authority August 8, 2025 Closed Session and to seal and withhold the minutes for the August 8, 2025 Closed Session from public inspection so long as public inspection would frustrate the purpose or purposes thereof. Ms. Russo Klein seconded the motion and it carried unanimously.

ADJOURNMENT: Ms. Russo Klein moved to adjourn the meeting at 10:56 a.m. Mr. Kennedy seconded the motion, and it carried unanimously.

Respectfully submitted,

Sabrina P. Rockoff
Attorney to the Board

4910-2040-4328, v. 2

MEMORANDUM

TO: Members of the Airport Authority

FROM: Jared Merrill
Vice President - Planning

DATE: October 17, 2025

ITEM DESCRIPTION – Consent Item B

Approve Grant of Conveyance of Sewer System and Easement with Metropolitan Sewerage District (MSD) of Buncombe County for the Air Traffic Control Tower (ATCT)

BACKGROUND

The new ATCT Project scope of work includes the permanent installation of sewer lines to serve the Tower and Base Building. Authority Staff and the project team have worked with MSD of Buncombe County to install this service per the plans and specifications. This conveyance and easement is solely for the portion of the Airport Property that the new sewer service is installed along the newly constructed Westfeldt Road and the areas the sewer line are installed along the buildings.

ISSUES

None.

ALTERNATIVES

None. The sewer service to the site is a requirement to complete this project. This conveyance and easement is required for MSD to provide this service.

FISCAL IMPACT

None.

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RECOMMENDED ACTION

It is respectfully requested that the Greater Asheville Regional Airport Authority Board resolve to (1) approve the grant of Conveyance of Sewer System and Easement for MSD with Buncombe County for the Air Traffic Control Tower; and (2) authorize the President & CEO to execute the necessary documents.

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Return to: Thomas C. Grella, ROD Box 31
Prepared By: Thomas C. Grella and
Metropolitan Sewerage District of Buncombe County
Attn: Planning and Development Manager
2028 Riverside Drive
Asheville, NC 28804

STATE OF NORTH CAROLINA
COUNTY OF BUNCOMBE

CONVEYANCE OF SEWER SYSTEM AND EASEMENT FOR MSD Project Name: Greater Asheville Regional Airport Authority ATCT & Tracon
MSD Project Number: 2022191

THIS CONVEYANCE OF SEWER SYSTEM AND EASEMENT made this the ___ day of October, 2025, from **GREATER ASHEVILLE REGIONAL AIRPORT AUTHORITY,** a body corporate and politic in the State of North Carolina, hereinafter referred to as the Grantor, to the **METROPOLITAN SEWERAGE DISTRICT OF BUNCOMBE COUNTY, NORTH CAROLINA**, a public body and body politic and corporate, created and established by the North Carolina State Stream Sanitation Committee by Resolution adopted on January 19, 1962, under the provisions of the North Carolina Metropolitan Sewerage Districts Act, now codified as Chapter 162A, Article 5, of the General Statutes of North Carolina, hereinafter referred to as Grantee (the designations Grantor and Grantee as used herein shall include said parties, their heirs, successors and assigns and shall include singular, plural, masculine, feminine and neuter as required by context).

WITNESSETH:

THAT WHEREAS, the Grantor has developed property known as Greater Asheville Regional Airport and being all of that property described in the deed recorded in Book 5565 at Page 1196 of the Buncombe County, North Carolina Registry; and

WHEREAS, the Grantor installed sewer lines and sewer related improvements (hereinafter Sewer Lines and Sewer Related Improvements) according to plans and specifications prepared by Travis D. Bird, PE, an engineer licensed in the State of North Carolina and pursuant to permits issued by the Metropolitan Sewerage District of Buncombe County, North Carolina; and

WHEREAS, the Sewer Lines and Sewer Related Improvements constructed by the Grantor are shown on as-built drawings prepared by Travis D. Bird, PE, entitled Greater Asheville Regional Airport Authority ATCT & Tracon, dated September 3, 2025, reference to which drawings is made for a complete description of the Sewer Lines and Sewer Related Improvements; and

WHEREAS, the Grantor retained easements for the Sewer Lines and Sewer Related Improvements and said easements are shown on a plat map entitled “Sewer Easement for Metropolitan Sewerage District

across the Property of Greater Asheville Regional Airport MSD PROJ. #2022191", prepared by Joseph Kane, PLS, dated September 2, 2025, and recorded in Plat Book 251 at Page 127 of the Buncombe County, North Carolina Registry, reference to which map is made for a more particular description of the exact location of the Sewer Lines and Sewer Related Improvements and easements therefor; and

WHEREAS, the Grantor now desires to convey to the Grantee and the Grantee is willing to accept the Sewer Lines and Sewer Related Improvements together with the easements therefore.

NOW, THEREFORE, the Grantor, for and in consideration of the sum of One Dollar ($1.00), and other good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, has given, granted and conveyed, and by these presents does give, grant and convey unto the Grantee, its successors and assigns, the Sewer Lines and Sewer Related Improvements together with easements therefor, together with the full right of reasonable access to and egress from said permanent easement over and upon the above-referenced Property or other property of Grantor from the nearest public road to have access to the Sewer Lines and Sewer Related Improvements in order to properly operate and maintain the Sewer Lines and Sewer Related Improvements and to repair and replace the Sewer Lines and Sewer Related Improvements as necessary. Such sewer system and easements being as shown on the maps and plats previously referred to herein.

IT IS UNDERSTOOD BY AND BETWEEN THE GRANTOR AND THE GRANTEE:

1. That the Grantee shall have the right, but not the obligation, to clear the permanent easement as shown on the maps and plats and the right, but not the obligation, to keep the permanent easement clear at all times, and the right, but not the obligation, to remove from the permanent easement all brush, trees and other obstructions, and to go upon said easement whenever necessary for the purpose of clearing the same and removing therefrom all brush, trees and other obstructions of any kind.

2. That the Grantor shall at all times, other than while the Sewer Lines and Sewer Related Improvements are under actual construction, have the right to use said permanent easement in the same manner as has been heretofore done; provided such use shall in no manner interfere with or be inconsistent with the use thereof by Grantee as provided herein. Prohibited uses of the permanent easement by the Grantor include, but are not limited to, the following: the erection of a shed, building, structure or other obstruction within the permanent easement by the Grantor shall not be allowed; the planting of trees within the permanent easement by the Grantor shall not be allowed; additional fill cannot be placed within the permanent easement except after prior written consent from the Grantee; and other utility lines, including but not limited to, electric, gas, telephone, cable, or water lines, cannot be constructed within the permanent easement except after prior written approval by the Grantee.

3. That the Grantee agrees to restore the topography of the easement area after any necessary repair or replacement of the Sewer Lines and Sewer Related Improvements to approximately the same condition as existed prior to the repair or replacement.

4. That the Grantor shall have the rights to pass over and upon said permanent easement with appropriate roadways for the full use of its property, provided, however, that the construction, maintenance and use of said roadways shall in no way interfere with the Sewer Lines and Sewer Related Improvements constructed within said permanent easement. As to paved roads, the Grantee, in future repairs or maintenance of said Sewer Lines and Sewer Related Improvements, shall only be responsible for regraveling, tamping and patching the portion of said paved roads disturbed in connection with any repairs or maintenance. As to non-paved roads, the Grantee shall only be responsible for regraveling and tamping in connection with any repairs or maintenance.

TO HAVE AND TO HOLD said Sewer Line and Sewer Related Improvements together with the easements therefor unto said Grantee, its successors and assigns, forever upon the terms set forth herein.

The Grantor covenants to and with the Grantee, its successors and assigns, that the Grantor is the owner of the Sewer Lines and Sewer Related Improvements and the easements therefor, and that said Sewer Lines and Sewer Related Improvements and the easements therefor are free from any and all liens and encumbrances, and that they will and their successors and assigns shall forever warrant and defend the title to

said Sewer Lines and Sewer Related Improvements and easements therefor unto the Grantee, its successors and assigns, against the lawful claims of all persons whomsoever.

IN WITNESS WHEREOF, the Grantor has hereunto set its hands and seals, or if corporate, has caused this document to be executed by its duly authorized officers, and its seal to be hereunto affixed, as of the day and year first above written.

GREATER ASHEVILLE REGIONAL AIRPORT AUTHORITY,
a body corporate and politic in the State of North Carolina

By:_____ (SEAL)
Lew Bleiweis, President and CEO

STATE OF NORTH CAROLINA, COUNTY OF BUNCOMBE

I, a Notary Public of said County and State, do hereby certify that Lew Bleiweis, personally appeared before me this day and acknowledged the foregoing instrument in the following capacity indicated and for the purposes expressed therein on behalf of said GREATER ASHEVILLE REGIONAL AIRPORT AUTHORITY**,** a body corporate and politic in the State of North Carolina: Lew Bleiweis, President and CEO.

Witness my hand and official seal, this _____ day of October, 2025.

_____
Notary Public - _____
Typed name

My Commission Expires:_____

ASHEVILLE REGIONAL AIRPORT

MEMORANDUM

TO: Members of the Airport Authority

FROM: Christina Madsen, VP Business Development & Properties

DATE: October 17, 2025

ITEM DESCRIPTION – Consent Item C

Approval of Amendment No. 3 to Ground Lease and Agreement between Sheetz, Inc., and the Greater Asheville Regional Airport Authority

BACKGROUND

The Authority approved a ground lease with Sheetz, Inc., ("Sheetz") on August 11, 2023, which was amended on November 8, 2024, and January 24, 2025, to allow additional government permitting review and change the rent commencement date as a result of Hurricane Helene.

The lease allows the leasehold to be adjusted upon completion of the improvements. Sheetz has completed a legal survey of the property, which identifies the leasehold. Staff is recommending the lease be amended now verses at the end of the construction period to reflect the actual square footage change and make all necessary rent adjustments effective November 1, 2025.

ISSUES

None.

ALTERNATIVES

The Board could disapprove the amendment.

FISCAL IMPACT

The per square foot reduces from 3 acres to 2.11 acres. This change has been accounted for in the current FY2026 budget; therefore, a budget amendment is not necessary.

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RECOMMENDED ACTION

It is respectfully requested that the Greater Asheville Regional Airport Authority Board resolve to (1) approve the amendment as described above with Sheetz, Inc., and (2) authorize the President & CEO to execute and implement the necessary process and documents.

Attachment

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Docusign Envelope ID: DAC7A742-7EA0-4847-9F1A-FD9B1B18A62A

THIRD AMENDMENT TO LEASE AGREEMENT

THIS THIRD AMENDMENT TO LEASE AGREEMENT (this "Amendment") is made and effective this ___ day of _____, 2025, by and between the **GREATER ASHEVILLE REGIONAL AIRPORT AUTHORITY**, created pursuant to Session Law 2012-121 by the General Assembly of North Carolina on June 28, 2012, and owner and operator of the Asheville Regional Airport ("Authority"), and **SHEETZ, INC.**, a Pennsylvania corporation ("Lessee"). Authority and Lessee are sometimes hereinafter collectively referred to as the "Parties", and each individually as a "Party".

RECITALS

A. Authority and Lessee are parties to that certain Lease Agreement dated August 11, 2023 (as so amended, the "Lease"), pursuant to which Authority has agreed to lease to Lessee, and Lessee has agreed to lease from Authority, certain parcels of real property located at the southwest corner of the intersection of NC-280 (Airport Road) and Airport Park Road in the Town of Fletcher, Henderson and Buncombe Counties, North Carolina (as more particularly defined in the Lease, the "Premises"); capitalized terms used in this Amendment and not otherwise defined shall have the meaning(s) ascribed to them in the Lease.

B. In connection with the design and approval of plans for Lessee's Improvements and the Premises, and pursuant to Section 3.4 of the Lease, Authority and Lessee have agreed to and approved changes in (i) the boundaries of the Premises, and (ii) Ground Rent for the Lease Term and Lease Term Option Periods.

C. Authority and Lessee now desire to amend the Lease in order to memorialize their agreements, subject to and in accordance with the terms, conditions, covenants, and agreements hereinafter set forth.

NOW, THEREFORE, in consideration of the mutual covenants hereinafter set forth and the foregoing recitals, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Parties hereto, intending to be legally bound, agree and covenant as follows:

1. **Incorporation of Recitals.** The foregoing recitals are incorporated by reference and made a part of this Amendment as though fully restated herein.

2. **Premises**.

a. Exhibit A. Exhibit A to the Lease (Premises) is hereby deleted in its entirety and replaced with Exhibit A attached to this Amendment. The Premises consists of 2.119 acres (92,303.64 square feet). As contemplated by Section 3.4 of the Lease, Exhibit A attached to this Amendment depicts the correct, final perimeter lease line and memorializes the precise acreage/square feet of the Premises.

Docusign Envelope ID: DAC7A742-7EA0-4847-9F1A-FD9B1B18A62A

b. Exhibit A-1. The Lease is hereby amended by inserting and attaching the metes and bounds legal description of the Premises at Exhibit A-1 attached to this Amendment. Exhibit A-1 attached to this Amendment is hereby attached to the Lease and incorporated therein.

3. **Ground Rent.** Notwithstanding anything to the contrary contained in the Lease, Authority and Lessee hereby agree that commencing on the Rent Commencement Date and continuing throughout the Lease Term and Lease Term Option Periods, Lessee shall pay Ground Rent in accordance with the following:

Table 1
Fair Market Value Ground Rent based on 92,304 square feet (2.119 acres)

Lease Years	Per Square Foot Rental Rate	Annual Rent	Monthly Rent
1 – 5	$1.60	$147,686.40	$12,307.20
6 – 10	$1.76	$162,455.04	$13,537.92
11 – 15	$1.94	$179,069.76	$14,922.48
16 – 20	$2.13	$196,607.52	$16,383.96
21 – 25	$2.34	$215,991.36	$17,999.28
26 – 30	$2.57	$237,221.28	$19,768.44

For purposes of clarity and the avoidance of doubt, the above Table 1 shall replace Table 1 in Section 5.1.2 of the Lease effective November 1, 2025. Following final completion of the Lessee Improvements, Lessee shall complete a revised legal survey that verifies the Premises. In the event of any changes the Parties agree to adjust Table 1, Ground Rent square footage either upward or downward dependant upon any site and square footage changes that occur during construction.

4. **Relationship with Lease.** Except as modified by this Amendment, all of the terms and provisions of the Lease shall remain in full force and effect. All future references to the Lease shall be deemed to refer to the Lease as amended and modified by this Amendment. In the event of any conflict or inconsistency between the provisions of this Amendment and any provision(s) of the Lease, the provisions of this Amendment shall govern and control.

5. **Ratification of Lease.** Authority and Lessee each represent and warrant to the other that the Lease, as amended and modified pursuant to this Amendment, is in full force and effect and has not be assigned or further modified, supplemented or amended in any way, except as expressly set forth herein.

Docusign Envelope ID: DAC7A742-7EA0-4847-9F1A-FD9B1B18A62A

6. **Counterparts; Electronic Signatures.** This Amendment may be executed in any number of counterparts. This Amendment is effective when signed by the Authority, following the signature of Lessee. Any signature hereto delivered by Authority or Lessee by electronic transmission, legible facsimile transmission or pdf by email shall be deemed to be an original signature hereto, and the failure to deliver a manually executed counterpart shall not affect the delivery, enforceability or binding effect of this Amendment.

7. **Governing Law.** This Amendment shall be governed by, and construed and enforced in accordance with, the laws of the State of North Carolina, without regard to its conflicts of laws principles.

Docusign Envelope ID: DAC7A742-7EA0-4847-9F1A-FD9B1B18A62A

IN WITNESS WHEREOF, the parties hereto have fixed their hands and seals to this Amendment to Lease Agreement the day and year first above written.

AUTHORITY:
GREATER ASHEVILLE REGIONAL AIRPORT AUTHORITY

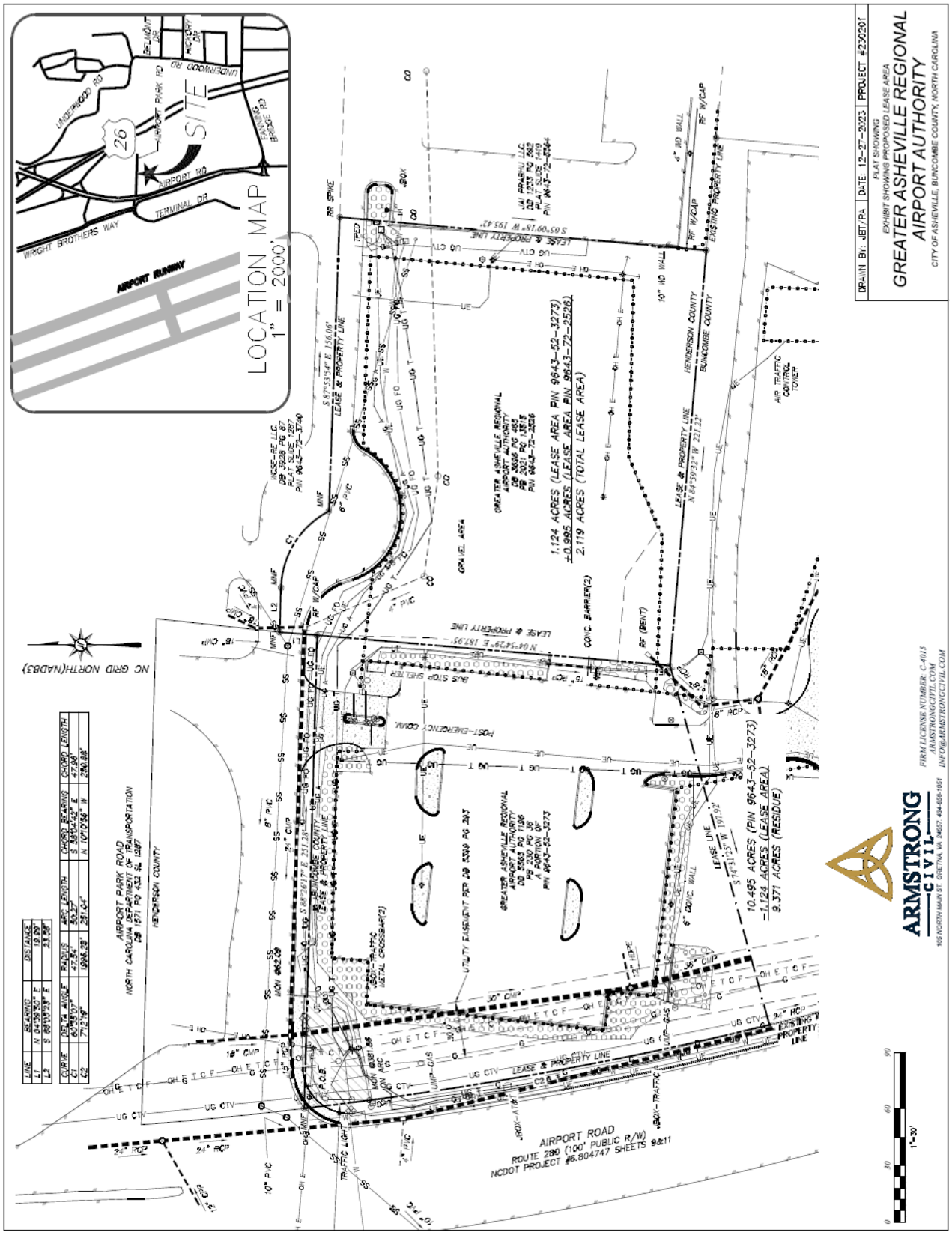
By:_____
Lew Bleiweis, A.A.E.
President & CEO

LESSEE:
SHEETZ, INC., a Pennsylvania corporation

By: Signed by: E778B87521CB4DC...
Brian T. Dinges
VP of Store Development

Docusign Envelope ID: DAC7A742-7EA0-4847-9F1A-FD9B1B18A62A

EXHIBIT A
Premises



LINE	BEARING	DISTANCE
L1	N 04°58'50" E	19.99'
L2	S 89°09'33" E	23.58'

CURVE	DELTA ANGLE	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
C1	60°54'07"	47.54'	50.53'	S 39°54'42" E	47.96'
C2	7°12'19"	1896.28'	251.04'	N 10°09'56" W	250.85'

Docusign Envelope ID: DAC7A742-7EA0-4847-9F1A-FD9B1B18A62A

EXHIBIT A-1
Premises Legal Description

ALL OF THAT CERTAIN LOT OR PARCEL OF LAND, TOGETHER WITH IMPROVEMENTS THEREON, SITUATE IN THE CITY OF ASHEVILLE, BUNCOMBE COUNTY, NORTH CAROLINA AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A MAG NAIL FOUND AT THE INTERSECTION OF THE EASTERN RIGHT OF WAY OF AIRPORT ROAD, ALSO KNOWN AS ROUTE 280, AND THE SOUTHERN RIGHT OF WAY OF AIRPORT PARK ROAD, THENCE WITH THE RIGHT OF WAY OF AIRPORT PARK ROAD S88°26'17"E 251.28', PASSING A HIGHWAY MONUMENT FOUND AT 62.09', TO A REBAR AND CAP FOUND, A CORNER WITH ANOTHER PROPERTY OWNED BY GREATER ASHEVILLE REGIONAL AIRPORT AUTHORITY; THENCE N04°39'50"E 19.99' TO A MAG NAIL FOUND, A CORNER WITH WCSE-RE LLC.; THENCE LEAVING THE RIGHT OF WAY OF AIRPORT PARK ROAD AND PROCEEDING WITH THE LINE OF WCSE-RE LLC. S88°05'23"E 23.58' TO A MAG NAIL FOUND; THENCE ALONG A CURVE TO THE RIGHT HAVING A CHORD BEARING AND DISTANCE OF S58°04'42"E 47.96', A DELTA ANGLE OF 60°35'07", A RADIUS OF 47.54', AND AN ARC LENGTH OF 50.27' TO A MAG NAIL FOUND; THENCE S87°53'54"E 156.06' TO A RAILROAD SPIKE FOUND, A CORNER WITH JAI PRABHU LLC.; THENCE LEAVING THE LINE WITH WCSE-RE LLC. AND PROCEEDING WITH THE LINE OF JAI PRABHU LLC. S05°09'18"W 195.42' TO A REBAR AND CAP FOUND; THENCE LEAVING THE LINE WITH JAI PRABHU LLC. AND PROCEEDING WITH THE LINE OF GREATER ASHEVILLE REGIONAL AIRPORT AUTHORITY N84°59'32"W 221.22' TO A BENT REBAR FOUND; THENCE LEAVING THE LINE WITH GREATER ASHEVILLE REGIONAL AIRPORT AUTHORITY AND PROCEEDING THROUGH THE PROPERTY OF GREATER ASHEVILLE REGIONAL AIRPORT AUTHORITY S74°31'25"W 197.92' TO A COMPUTED POINT ON THE EASTERN RIGHT OF WAY OF ROUTE 280; THENCE PROCEEDING WITH SAID RIGHT OF WAY ALONG A CURVE TO THE RIGHT HAVING A CHORD BEARING AND DISTANCE OF N10°10'56"W 250.88', A DELTA ANGLE OF 07°12'19", A RADIUS OF 1996.28', AND AN ARC LENGTH OF 251.04', PASSING A HIGHWAY MONUMENT FOUND AT 381.86' ON THE ARC, TO THE POINT AND PLACE OF BEGINNING AND CONTAINING 2.119 ACRES.

MEMORANDUM

TO: Members of the Airport Authority

FROM: Amy Harris, Chief Financial Officer

DATE: October 17, 2025

ITEM DESCRIPTION – New Business Item A

Presentation of the Annual Audited Financial Report for Fiscal Year 2024 / 2025

BACKGROUND

The annual audit for the fiscal year ended June 30, 2025 was performed by the auditing firm, Martin Starnes & Associates, CPAs, P.A., and the findings are hereby submitted for the Board's review and acceptance. The draft audited financial statements being provided to you will be submitted to the Local Government Commission ("LGC").

ISSUES

None. An unmodified opinion will be issued by the auditors. The opinion letter will be prepared once the Compliance Supplement for 2025 is issued by the Office of Management and Budget related to grant compliance testing. The Local Government Commission is aware that the Compliance Supplement has not yet been released by the OMB and that submission of the audit to the LGC will be completed once it is received. These delays are not unique to the airport, but rather impact all public entities that expend greater than $750,000.00 in federal grant monies during a fiscal year.

RECOMMENDED ACTION

It is respectfully requested that the Greater Asheville Regional Airport Authority Board resolve to accept the 2024/2025 Audit Report as presented.

61 Terminal Drive, Suite 1, Fletcher, NC 28732 | 828.684.2226 | flyavl.com

GREATER ASHEVILLE REGIONAL AIRPORT AUTHORITY

ANNUAL FINANCIAL REPORT

FOR THE YEARS ENDED JUNE 30, 2025 AND 2024

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GREATER ASHEVILLE REGIONAL AIRPORT AUTHORITY

Board of Directors

Brad Galbraith, Chair
Britt Lovin, Vice-Chair

Carl H. Ricker, Jr.
Nathan Kennedy
Susan Russo Klein
Dr. Laura B. Leatherwood
Gene Bell
Sabrina Presnell Rockoff, Attorney

President/CEO

Lew S. Bleiweis, A.A.E.

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MANAGEMENT'S DISCUSSION AND ANALYSIS

The following Management's Discussion and Analysis (the "MD&A") of the Greater Asheville Regional Airport Authority's activities and financial performance provides the reader with an overview to the financial statements of the Greater Asheville Regional Airport Authority for the fiscal year ended June 30, 2025. The information contained in this MD&A should be considered in conjunction with the financial information contained in the various sections of this audit report.

THE REPORTING ENTITY

The Asheville Regional Airport Authority was established in 1980 by the provisions of Article 20 of Chapter 160A of the General Statutes of North Carolina and by the Agreement of November 29, 1979, by and between the County of Buncombe (the "County") and the City of Asheville (the "City"). It was organized for, and has as its sole purpose, the management, operation, and maintenance of the Asheville Regional Airport (the "Airport"). On June 28, 2012, the General Assembly of North Carolina passed Session Law 2012-121 which changed the structure of the entity to an independent airport authority with more regional representation and governance. The law also changed the official name to the Greater Asheville Regional Airport Authority (the "Authority"). Pursuant to the state statute, the agreement with Buncombe County and the City of Asheville is no longer applicable.

The Authority operates as an enterprise fund and is governed by seven members: two registered voters of the County, appointed by the Board of Commissioners of Buncombe County; two registered voters of the City, appointed by the Asheville City Council; two registered voters of the County of Henderson, appointed by the Board of Commissioners of Henderson County; and one member appointed by the other six members of the Authority. Members of the Authority serve four-year terms. Any member may serve a total of two consecutive terms, after which said member may not be reappointed to the Authority until four years after his or her most recent appointment.

The Authority employs a managing director (the "President and CEO"), who is the chief administrator and executive officer of the Authority. The President and CEO manages the Airport under the Authority's control with a staff of 95 full-time employees. The staff is responsible for the day-to-day financial, administration, and operational matters pertaining to the Airport and for the contractual arrangements with various aeronautical and non-aeronautical businesses at the Airport.

The Authority is a small hub airport engaged in the business of facilitating commercial and general aviation passenger, cargo, and mail transportation and is the 102nd largest airport in the United States based on the number of passenger-boardings during calendar year 2024.[1]

As of June 30, 2025, the Authority had non-stop commercial flights to 27 destinations (Atlanta, Austin, Baltimore, Boston, Charlotte, Chicago, Chicago Midway, Dallas/Ft. Worth, Denver, Destin, Fort Lauderdale, Houston, Key West, Las Vegas, Minneapolis, Newark, New York City, Miami, Orlando, Sanford, Philadelphia, Phoenix, Punta Gorda, Sarasota, St. Petersburg/Clearwater, Washington D.C. and West Palm Beach. The commercial airline carriers included Allegiant Air, American Airlines, Delta Air Lines, JetBlue Airways, Sun Country Airlines and United Airlines.

The mission of the Greater Asheville Regional Airport Authority is to provide an exceptional airport experience with a focus on people, service, commercial and general aviation, and to contribute to the regional economy.

[1] Federal Aviation Administration, passenger-boardings calendar year 2024

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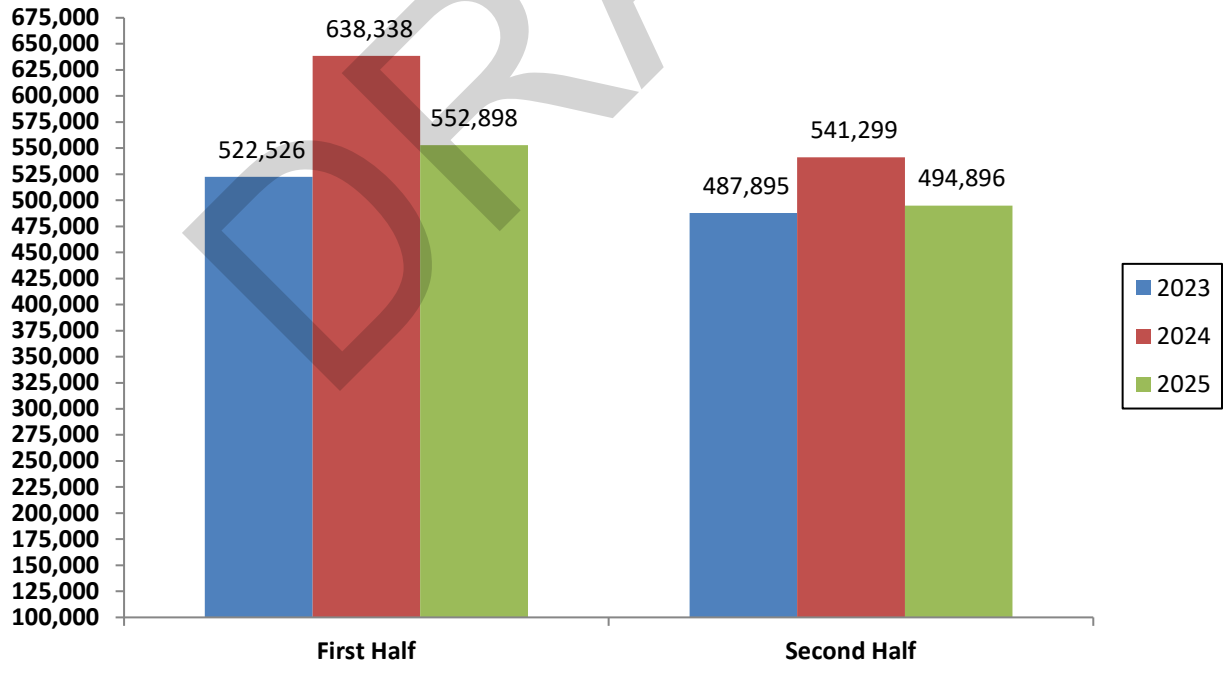
AIRPORT ACTIVITIES AND HIGHLIGHTS

For Year Ended June 30	2025	2024	2023
Enplanements	1,047,794	1,179,637	1,010,421
Revenues per enplanement:			
Airlines	$ 8.56	$ 6.48	$ 5.75
Rental cars	4.92	4.26	4.98
Parking facility	10.85	10.15	9.50
Concessionaires	1.11	1.14	1.11

Enplanements decreased by 11.2% in fiscal year 2025:

	2025	2024	2023
Aircraft Movements (Land or Takeoff):			
Airline	31,420	32,652	28,924
General aviation	37,482	45,863	46,988
Military	2,563	3,849	4,133
Total	71,465	82,364	80,045

Passenger Enplanements for Fiscal Year



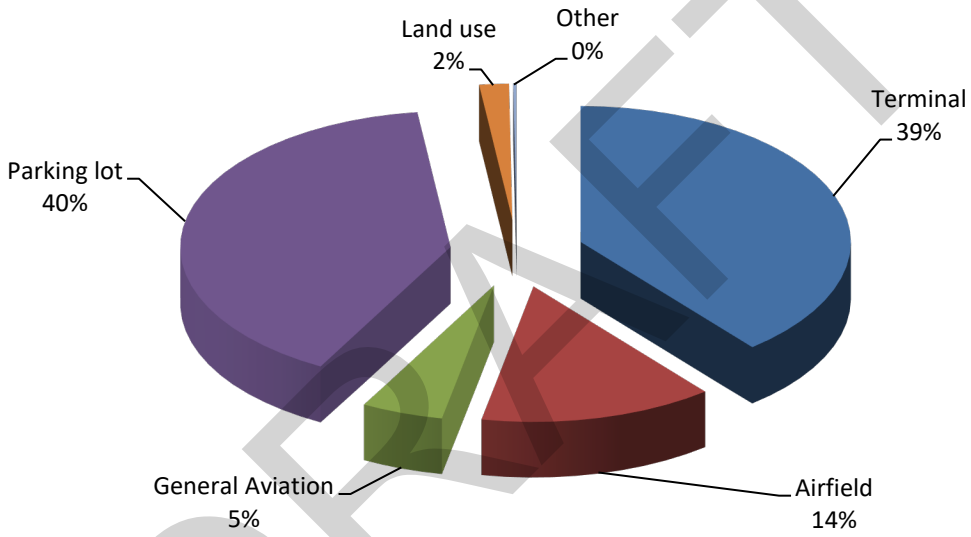
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SUMMARY OF OPERATIONS AND CHANGES IN NET POSITION

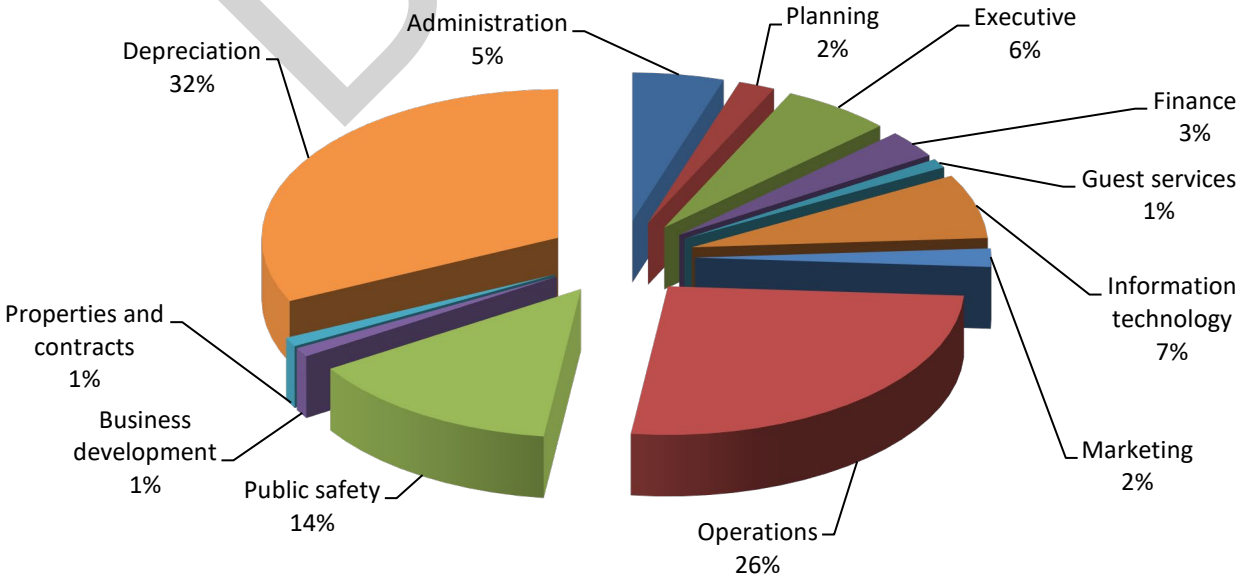
For Year Ended June 30	2025	2024	2023
Operating revenues	$ 29,650,756	$ 28,881,725	$ 24,352,877
Operating expenses	26,042,286	24,447,330	22,121,234
Operating loss before non-operating revenues and expenses	3,608,470	4,434,395	2,231,643
Non-operating revenues and expenses, net	4,000,475	10,256,802	3,694,789
Income (loss) before capital contributions	7,608,945	14,691,197	5,926,432
Capital contributions	35,694,538	26,037,612	31,096,666
Increase in net position	$ 43,303,483	$ 40,728,809	$ 37,023,098

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Operating Revenues



Operating Expenditures



FINANCIAL POSITION SUMMARY

Net position may serve, over time, as a useful indicator of the Authority's financial position. The Authority's assets and deferred outflows of resources exceeded liabilities and deferred inflows of resources by $357,631,170 at June 30, 2025, an increase of approximately $43.3 million from June 30, 2024, and roughly a $84 million increase from June 30, 2023.

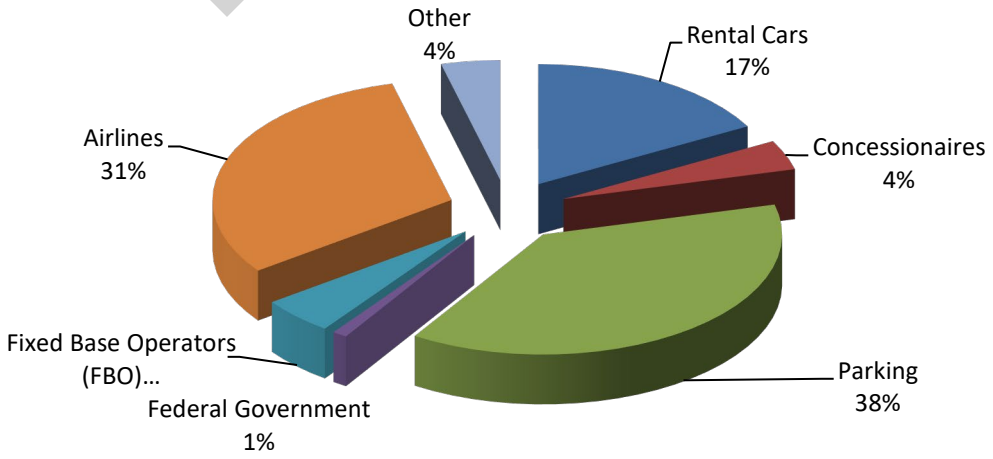
	2025	2024	2023
Assets and Deferred Outflows:			
Current assets	$ 89,799,635	$ 58,902,024	$ 45,943,583
Restricted assets	236,159,358	331,182,512	390,347,446
Capital assets	505,846,917	370,471,902	267,402,475
Deferred outflows of resources	2,859,027	3,314,709	2,871,199
Total assets and deferred outflows of resources	834,664,937	763,871,147	706,564,703
Liabilities and Deferred Inflows:			
Current liabilities	66,725,984	34,673,739	15,121,731
Non-current liabilities	398,494,032	400,696,917	401,378,650
Deferred inflows of resources	11,813,751	14,172,804	16,465,444
Total liabilities and deferred inflows of resources	477,033,767	449,543,460	432,965,825
Net Position:			
Net investment in capital assets	286,978,822	254,007,998	219,012,526
Restricted	228,060,331	329,248,761	390,257,157
Unrestricted	(157,407,983)	(268,929,072)	(335,670,805)
Total net position	$ 357,631,170	$ 314,327,687	$ 273,598,878

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REVENUES

The daily operations of the Asheville Regional Airport are funded through the collection of user fees such as parking receipts, rental car privilege fees, landing fees, space rental, and concessions fees.

The following chart shows the major sources and the percentage of operating revenues for the year ended June 30, 2025.



SUMMARY OF CASH FLOW ACTIVITIES

The following is a summary of the major sources and uses of cash and cash equivalents. Cash equivalents are considered cash-on-hand, bank deposits, and highly liquid investments with an original maturity of three months or less.

For Year Ended June 30	2025	2024	2023
Cash flows from operating activities	$ 11,918,265	$ 6,556,361	$ 5,005,246
Cash flows from non-capital financing activities	5,155	-	-
Cash flows from investing activities	14,856,202	20,711,429	10,057,585
Cash flows from capital and related financing activities	(107,739,641)	(76,949,080)	175,350,050
Net increase (decrease) in cash and cash equivalents	(80,960,019)	(49,681,290)	190,412,881
Cash and Cash Equivalents:			
Beginning of year - July 1	381,023,266	430,704,556	240,291,675
End of year - June 30	$ 300,063,247	$ 381,023,266	$ 430,704,556

CAPITAL ASSETS AND DEBT ADMINISTRATION

Capital Assets

During fiscal year 2025, the Authority expended $146 million on capital activities. This included the following major projects:

- $116.5 million on terminal design and construction
- $24.4 million on ATC tower design and construction
- $1.2 million on parking lot design projects

Acquisitions are funded using a variety of sources, including federal and state grants, operating revenues, and net position appropriations.

CAPITAL ASSETS
(net of accumulated depreciation)

	2025	2024	2023
Land	$ 10,669,599	$ 10,669,599	$ 10,669,599
Construction in progress	305,168,715	168,437,421	63,818,899
Leasehold improvements	161,032,016	161,242,207	167,372,719
Equipment	2,529,317	2,087,485	2,229,601
Furniture	1,231	3,082	5,950
Vehicles	1,559,201	1,029,208	556,657
Capital assets, net of accumulated depreciation	$ 480,960,079	$ 343,469,002	$ 244,653,425

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Long-Term Debt

As of June 30, 2025, the Authority has the following long-term debt:

LONG-TERM DEBT

	2025	2024	2023
Greater Asheville Regional Airport Authority system revenue bonds	$ 370,860,000	$ 372,270,000	$ 373,645,000

Asheville Regional Airport - Business Update Report

Introduction: This brief report offers an update on Greater Asheville Regional Airport's recent strides and future prospects, reflecting our commitment to transparent, prudent management. I will speak about our sustained growth, financial resilience, strategic initiatives, and unwavering dedication to fostering a thriving aviation hub.

Passenger Utilization and Regional Connectivity: Although FY25 began as another record-breaking year for the airport, in September, Hurricane Helene brought catastrophic flooding and widespread infrastructure damage to the region. The airport played a pivotal role in Western North Carolina's emergency response and recovery efforts. We remained operational, swiftly transforming into a military and logistics hub to support relief operations. The airport's resilience and coordination with federal and local agencies underscored its importance not just as a travel gateway, but as a lifeline during crisis. As evidence of AVL's resiliency, despite impacts from Hurricane Helene, we exceeded 1 million enplanements for FY25 and finished the fiscal year with the second highest fiscal year enplanements on record.

Air Traffic Control Tower and Terminal Expansion: Our commitment to aviation safety and efficiency is showcased by the construction of one of the two new air traffic control towers underway in the U.S. supported by the Bipartisan Infrastructure Law funding. This milestone project has received substantial federal grant funding, reflecting our commitment to modernizing air traffic management. Moreover, the terminal expansion project has garnered FAA support through federal grant funding, further reinforcing our strategic vision and its national importance.

Diversified Revenue Streams and Enriched Connectivity: We recognize that our financial strength should encompass diverse revenue sources. Through non-aeronautical land development, we are strengthening our economic resilience beyond traditional aviation activities. At the same time, our focus on enhancing connectivity is exemplified by the significant investments made by our six airline partners (Allegiant, American, Delta, JetBlue, Sun Country and United), who are all growing at AVL. Our airport now has the highest number of nonstop flights in our history and continued to grow this fiscal year with new year-round daily service to Denver on United and increased frequencies to the New York City market by both American and Delta.

Region's Allure and Terminal Expansion Progress: Western North Carolina's allure as a travel destination plays a significant role in our growth. As the region continues to recover from the impacts of Helene, there remains great interest in exploring the region. This continues to fuel airline investment and growth in our area. The new north concourse, boasting seven gates, opened to the public in June 2025. We are exceptionally proud of the ways this expansion clearly demonstrates our commitment to accommodating increasing passenger numbers and delivering enhanced travel experiences.

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Conclusion: In summary, the Greater Asheville Regional Airport Authority's remarkable growth, financial resilience, and strategic endeavors define our trajectory. Our role as a significant regional and national player is affirmed by passenger numbers, rankings, and ongoing projects. The convergence of diversified revenues, enriched connectivity, and regional allure positions us for an aviation future of promise and progress.

REQUESTS FOR INFORMATION

This report is designed to provide an overview of the Authority's finances for those with an interest in this area. Questions concerning any of the information found in this report, or requests for additional information, should be directed to the Chief Financial Officer, Greater Asheville Regional Airport Authority, 61 Terminal Drive, Suite 1, Fletcher, North Carolina 28732. You may also call (828) 684-2226, visit our website www.flyavl.com, or send an email to pr@flyavl.com for more information.

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GREATER ASHEVILLE REGIONAL AIRPORT AUTHORITY

STATEMENTS OF NET POSITION
JUNE 30, 2025 AND 2024

	2025	2024
Assets:		
Current assets:		
Unrestricted assets:		
Cash and cash equivalents	$ 63,903,889	$ 49,840,754
Accounts receivable	4,237,846	3,390,618
Grants receivable	18,518,720	2,632,826
Lease receivable	2,028,135	1,865,594
Passenger facility charges receivable	897,803	1,025,000
Prepaid expenses	213,242	147,232
Total current assets	89,799,635	58,902,024
Restricted assets:		
Cash and cash equivalents	236,159,358	331,182,512
Non-current assets:		
Prepaid expenses	14,134,862	14,243,502
Lease receivable	10,751,976	12,759,398
Non-depreciable capital assets	315,838,314	179,107,020
Depreciable capital assets, net	165,121,765	164,361,982
Total non-current assets	505,846,917	370,471,902
Total assets	831,805,910	760,556,438
Deferred Outflows of Resources:		
Pension deferrals	2,730,238	3,164,035
OPEB deferrals	128,789	150,674
Total deferred outflows of resources	2,859,027	3,314,709
Liabilities:		
Current liabilities:		
Payable from unrestricted assets:		
Accounts payable	2,459,741	1,215,464
Construction contracts payable	29,584,162	11,711,512
Construction contract retainages	13,648,902	6,408,276
Compensated absences	279,462	615,957
Accrued liabilities	203,075	218,809
Prepaid fees	472,776	712,347

The accompanying notes are an integral part of these financial statements.

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GREATER ASHEVILLE REGIONAL AIRPORT AUTHORITY

STATEMENTS OF NET POSITION
JUNE 30, 2025 AND 2024

	2025	2024
Accrued interest payable	9,580,058	9,596,908
Advance from grantor	7,979,567	1,779,960
Long-term debt, current portion	2,398,778	2,254,708
Payable from restricted assets:		
Security deposits	119,463	159,798
Total current liabilities	66,725,984	34,673,739
Non-current liabilities:		
OPEB liability	1,150,138	1,151,312
Compensated absences	606,276	443,466
Pension liability - LEOSSA	941,041	942,674
Net pension liability - LGERS	4,028,299	4,101,480
Revenue bonds payable - net unamortized premium	391,768,278	394,057,985
Total non-current liabilities	398,494,032	400,696,917
Total liabilities	465,220,016	435,370,656
Deferred Inflows of Resources:		
Leases	11,551,620	13,753,750
Pension deferrals	136,327	161,007
OPEB deferrals	125,804	258,047
Total deferred inflows of resources	11,813,751	14,172,804
Net Position:		
Net investment in capital assets	286,978,822	254,007,998
Restricted	228,060,331	329,248,761
Unrestricted	(157,407,983)	(268,929,072)
Total net position	$ 357,631,170	$ 314,327,687

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The accompanying notes are an integral part of these financial statements.

GREATER ASHEVILLE REGIONAL AIRPORT AUTHORITY

STATEMENTS OF REVENUES, EXPENSES, AND CHANGES IN NET POSITION FOR THE YEARS ENDED JUNE 30, 2025 AND 2024

	2025	2024
Operating Revenues:		
Terminal	$ 11,695,204	$ 10,795,575
Airfield	4,077,813	3,573,029
General aviation	1,448,044	1,431,082
Parking lot	11,847,128	12,549,577
Land use	524,185	461,946
Other	58,382	70,516
Total operating revenues	29,650,756	28,881,725
Operating Expenses:		
Administration	1,333,575	1,696,017
Planning	523,350	577,501
Executive	1,604,658	1,427,641
Finance	681,742	681,798
Guest services	327,349	307,714
Information technology	1,949,210	1,670,410
Marketing	605,582	874,408
Operations	6,634,604	5,763,063
Properties and contracts	385,534	309,272
Public safety	3,556,225	2,712,049
Business development	75,609	144,068
Depreciation	8,364,848	8,283,389
Total operating expenses	26,042,286	24,447,330
Operating income (loss)	3,608,470	4,434,395
Non-Operating Revenues (Expenses):		
Passenger facility charges	4,318,150	5,077,366
Customer facility charges	3,245,017	2,799,464
FEMA grant	246,472	-
Insurance proceeds	94,998	-
Disaster relief expenditures	(336,315)	-
Interest revenue	14,856,202	20,711,429
Gain on disposal of capital assets	-	126,292
Interest expense	(18,424,049)	(18,457,749)
Total non-operating revenues (expenses), net	4,000,475	10,256,802

The accompanying notes are an integral part of these financial statements.

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GREATER ASHEVILLE REGIONAL AIRPORT AUTHORITY

STATEMENTS OF REVENUES, EXPENSES, AND CHANGES IN NET POSITION FOR THE YEARS ENDED JUNE 30, 2025 AND 2024

	2025	2024
Income (loss) before capital contributions	7,608,945	14,691,197
Capital contributions	35,694,538	26,037,612
Change in net position	43,303,483	40,728,809
Net Position:		
Beginning of year, July 1	314,327,687	273,598,878
End of year, June 30	$ 357,631,170	$ 314,327,687

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The accompanying notes are an integral part of these financial statements.

GREATER ASHEVILLE REGIONAL AIRPORT AUTHORITY

STATEMENTS OF CASH FLOWS
FOR THE YEARS ENDED JUNE 30, 2025 AND 2024

	2025	2024
Cash Flows from Operating Activities:		
Cash received for providing services	$ 28,810,137	$ 28,102,151
Cash paid for goods and services	(10,181,808)	(16,500,466)
Cash paid to, or on behalf of, employees for services	(6,710,064)	(5,045,324)
Net cash provided (used) by operating activities	11,918,265	6,556,361
Cash Flows from Non-Capital Financing Activities:		
Insurance Proceeds	94,998	-
Net disaster expenditures with grant proceeds	(89,843)	-
Net cash provided (used) by non-capital financing activities	5,155	-
Cash Flows from Capital and Related Financing Activities:		
Acquisition and construction of capital assets	(145,855,925)	(107,101,455)
Cash received for the sale of capital assets	-	128,781
Passenger facility charges	4,445,347	4,502,366
Customer facility charges	3,245,017	2,799,464
Advance grant funds	6,199,607	1,776,704
Principal payments of bond maturities	(1,410,000)	(1,375,000)
Interest paid on bond maturities	(19,285,607)	(15,920,712)
Capital contributions	44,921,920	38,240,772
Net cash provided (used) by capital and related financing activities	(107,739,641)	(76,949,080)
Cash Flows from Investing Activities:		
Interest income	14,856,202	20,711,429
Net increase (decrease) in cash and cash equivalents	(80,960,019)	(49,681,290)
Cash and Cash Equivalents:		
Beginning of year, July 1	381,023,266	430,704,556
End of year, June 30	$ 300,063,247	$ 381,023,266

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The accompanying notes are an integral part of these financial statements.

GREATER ASHEVILLE REGIONAL AIRPORT AUTHORITY

STATEMENTS OF CASH FLOWS
FOR THE YEARS ENDED JUNE 30, 2025 AND 2024

	2025	2024
Reconciliation of Operating Income (Loss) to Net Cash Provided (Used) by Operating Activities:		
Operating income (loss)	$ 3,608,470	$ 4,434,395
Adjustments to reconcile operating income (loss) to net cash provided (used) by operating activities:		
Depreciation expense	8,364,848	8,283,389
Changes in assets, deferred outflows of resources, and liabilities:		
(Increase) decrease in accounts receivable	(847,228)	(1,834,022)
(Increase) decrease in prepaid items	42,630	(6,118,549)
(Increase) decrease in deferred outflows	455,682	(443,510)
(Increase) decrease in leases receivable	1,844,881	1,762,290
Increase (decrease) in deferred inflows - leases	(2,202,130)	(2,257,607)
Increase (decrease) in security deposits	(40,335)	71,780
Increase (decrease) in accounts payable	1,244,278	657,848
Increase (decrease) in accrued liabilities	(15,734)	91,684
Increase (decrease) in prepaid fees	(239,571)	225,390
Increase (decrease) in other post-employment benefits	67,800	(77,943)
Increase (decrease) in compensated absences	(173,685)	337,573
Increase (decrease) in net pension liabilities	(34,718)	1,458,676
Increase (decrease) in deferred inflows	(156,923)	(35,033)
Total adjustments	8,309,795	2,121,966
Net cash provided by operating activities	$ 11,918,265	$ 6,556,361
Supplemental Cash Flow Information:		
Net change in construction contracts and retainage payable	$ 25,113,276	$ 13,166,526

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The accompanying notes are an integral part of these financial statements.

GREATER ASHEVILLE REGIONAL AIRPORT AUTHORITY

NOTES TO THE FINANCIAL STATEMENTS
FOR THE YEARS ENDED JUNE 30, 2025 AND 2024

1. Organization and Summary of Significant Accounting Policies

The accounting policies of the Greater Asheville Regional Airport Authority conform to accounting principles generally accepted in the United States of America as applicable to governments. The following is a summary of the more significant accounting policies:

A. Reporting Entity

The Asheville Regional Airport Authority (the "Authority") was established by joint agreement between the City of Asheville and the County of Buncombe on November 29, 1979, pursuant to Article 20 of Chapter 160A of the North Carolina General Statutes. The agreement originally covered a twenty-five-year period beginning July 1, 1980. On April 19, 1988, this term was extended to April 30, 2018, by mutual agreement of the contracting parties. On January 22, 2008, the agreement was amended again with the term remaining the same, including a year-to-year extension after the term has been reached. Under the agreement, Buncombe County was responsible for funding any operating deficits of the Authority during the term of the agreement. On June 28, 2012, the General Assembly of North Carolina enacted the Greater Asheville Regional Airport Authority Act in Session Law 2012-121, making the Authority an independent airport authority and changing the official name to Greater Asheville Regional Airport Authority. Pursuant to the state statute, the agreement with Buncombe County and the City of Asheville is no longer applicable.

On June 28, 2017, the Federal Aviation Administration issued an Airport Operating Certificate in the name of the Greater Asheville Regional Airport Authority, allowing the Authority to act as the sole sponsor to operate the airport. The real property of the Authority was also deeded in the name of the Greater Asheville Regional Airport Authority. There are no outstanding liabilities, including grant reimbursements, regarding any payment to the City. Furthermore, all grant obligations incurred by the City, on behalf of the airport, were transferred in the transaction and are now the direct responsibility of the Authority. Also, the Authority is fully empowered to issue debt on behalf of the airport in support of future capital improvement needs.

B. Basis of Presentation

Fund financial statements provide information about the Authority's funds. Statements for the proprietary fund category are presented.

Proprietary funds include the following fund type:

Enterprise Funds. Enterprise funds account for those operations (a) that are financed and operated in a manner similar to private business enterprises where the intent of the governing body is that costs (expenses, including depreciation) of providing goods or services to the general public on a continuing basis be financed or recovered primarily through user charges; or (b) where the governing body has decided that the periodic determination of revenues earned, expenses incurred, and/or net income is appropriate for capital maintenance, public policy, management control, accountability, or other purposes. The Authority has one enterprise fund for airport operation.

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C. Measurement Focus and Basis of Accounting

The proprietary fund financial statements are reported using the economic resources measurement focus. These statements are reported using the accrual basis of accounting. Revenues are recorded when earned, and expenses are recorded at the time liabilities are incurred, regardless of when the related cash flows take place.

Proprietary funds distinguish operating revenues and expenses from non-operating items. Operating revenues and expenses generally result from providing services and producing and delivering goods in connection with a proprietary fund's principal ongoing operations. The principal operating revenues of the Authority's enterprise fund are charges to customers for services.

Operating expenses for the enterprise fund include the cost of sales and services, administrative expenses, and depreciation on capital assets. All revenues and expenses not meeting this definition are reported as non-operating revenues and expenses.

D. Budgetary Data

The Authority's budgets are adopted as required by the North Carolina General Statutes. An annual budget is adopted for the enterprise fund. All annual appropriations lapse at the fiscal year-end. All budgets are prepared using the modified accrual basis of accounting. Expenditures may not legally exceed appropriations at the functional level for all annually budgeted funds and at the object level for the multi-year funds. The Budget Officer may transfer amounts between line-item expenditures, within a budget ordinance line item/cost center, without limitation and without a report being required. These changes should not result in increased recurring obligations. The Budget Officer may transfer amounts which are identified in each annual budget from contingency to other line items within the same fund. An official report on such transfers must be made at the next regular meeting of the Board. Any other amendments must be approved by the governing board. During the year, several amendments to the original budget were made. The budget ordinance must be adopted by May 15 for the upcoming fiscal year, or the governing board must adopt an interim budget that covers that time until the annual ordinance can be adopted.

E. Estimates

The preparation of financial statements, in conformity with U.S. generally accepted accounting principles, requires management to make estimates and assumptions that affect certain reported amounts and disclosures. The Authority's use of estimates includes depreciation methods and useful lives, accrued expenses, deferred inflows, and pension and OPEB liabilities and deferrals. Accordingly, actual results could differ from those estimates.

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F. Assets, Liabilities, and Net Position

Deposits and Investments

All deposits of the Authority are made in Board-designated official depositories and are secured as required by state law [G.S. 159-31]. The Authority may designate, as an official depository, any bank or savings association whose principal office is located in North Carolina. Also, the Authority may establish time deposit accounts such as NOW and SuperNOW accounts, money market accounts, and certificates of deposit.

State law [G.S. 159-30] authorizes the Authority to invest in obligations of the United States or obligations fully guaranteed, both as to principal and interest by the United States; obligations of the state of North Carolina; bonds and notes of any North Carolina local government or public authority; obligations of certain non-guaranteed federal agencies; certain high-quality issues of commercial paper and bankers' acceptances and the North Carolina Capital Management Trust (NCCMT).

The NCCMT Government Portfolio, a SEC-registered (2a-7) money market mutual fund, that is certified by the Local Government Commission under the provisions of G.S. 159-30(c)(8) and the North Carolina Administrative Code. The Government Portfolio is a 2a7 fund that invests in treasuries, government agencies, and repurchase agreements collateralized by treasuries. It is rated AAAm by S&P and AAAmf by Moody's Investor Services and reported at fair value. Because the NCCMT Government Portfolio has a weighted average maturity of less than 90 days, it is presented as an investment with a maturity of less than 6 months.

Cash and Cash Equivalents

The Authority considers all highly liquid investments (including restricted assets) with a maturity of three months or less when purchased to be cash and cash equivalents.

Restricted Assets

Restricted assets consist of monies and other resources which are legally restricted as described below:

Cash and Cash Equivalents. The Authority receives from the airline carriers enplaning passengers at the Greater Asheville Regional Airport a facility charge of $4.50 per passenger. Every air carrier servicing the Airport must collect $4.50 from passengers on all tickets sold and remit $4.39 of these funds to the Authority. The Authority must use these funds for Federal Aviation Administration (FAA) approved capital improvement projects. Passenger facility charge collections that have been collected, but not yet disbursed on eligible projects, are restricted.

The unexpended debt proceeds are classified as restricted because their use is restricted to the purpose for which the debt was awarded.

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The sinking fund balance for debt service bond repayment is restricted for the purpose of future debt retirement. The advance grant funding is classified as restricted because their use is restricted to the purpose for which the grant was awarded.

Security deposits held by the Authority are restricted to the service for which the deposit was collected.

Restricted cash and cash equivalents at June 30, 2025 and 2024 were as follows:

	2025	2024
Passenger facility charge collections, undisbursed	$ 26,279,970	$ 20,834,437
Debt service sinking funds - bond repayment	1,588,309	1,556,627
Forfeiture funds	6,250	-
Security deposits	119,463	159,798
Advance grant funding	7,979,567	1,779,960
Unexpended debt proceeds	200,185,799	306,851,690
Total restricted cash and cash equivalents	$ 236,159,358	$ 331,182,512

Allowance for Doubtful Accounts

All receivables that historically experience uncollectible accounts are shown net of an allowance for doubtful accounts. The Authority did not have any accounts that were considered uncollectible by management for the years ended June 30, 2025 and 2024.

Lease Receivable

The Authority's lease receivable is measured at the present value of lease payments expected to be received during the lease term. Under the lease agreement, the Authority may receive variable lease payments that are dependent upon the lessee's revenue. The variable payments are recorded as an inflow of resources in the period the payment is received.

A deferred inflow of resources is recorded for the lease. The deferred inflow of resources is recorded at the initiation of the lease in an amount equal to the initial recording of the lease receivable. The deferred inflow of resources is amortized on a straight-line basis over the term of the lease.

Prepaid Items

Certain payments to vendors reflect costs applicable to future accounting periods and are recorded as prepaid assets in the Statement of Net Position and the fund financial statements and are expensed as the items are used.

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Capital Assets

Purchased or constructed capital assets are reported at cost or estimated historical cost. Donated capital assets received prior to June 30, 2015, are recorded at their estimated fair value at the date of donation. Donated capital assets received after June 30, 2015, are recorded at acquisition value. All other purchased or constructed capital assets are reported at cost or estimated historical cost. Minimum capitalization cost is $5,000. The cost of normal maintenance and repairs that do not add to the value of the asset or materially extend assets' lives are not capitalized.

Capital assets are depreciated over their useful lives on a straight-line basis as follows:

Asset	Estimated Useful Lives
Leasehold improvements	5-40 years
Public safety and maintenance equipment	3-20 years
Vehicles	3-20 years
Furniture	5-10 years
Computer software	5 years
Computer equipment	5 years

Deferred Outflows and Inflows of Resources

In addition to assets, the Statement of Net Position will sometimes report a separate section for deferred outflow of resources. This separate financial statement element, *Deferred Outflows of Resources*, represents a consumption of net assets that applies to a future period and so will not be recognized as an expense or expenditure until then. The Authority has two items that meet this criteria – pension and OPEB deferrals.

In addition to liabilities, the Statement of Net Position can also report a separate section for deferred inflows of resources. This separate financial statement element, *Deferred Inflows of Resources*, represents an acquisition of net assets that applies to a future period and so will not be recognized as revenue until then. The Authority has three items that meet this criteria – leases, pension and OPEB deferrals.

Compensated Absences

Airport personnel policies permit an employee to earn vacation based on years of service. Accumulated annual leave in excess of 240 or 480 hours, depending upon date of hire, will be forfeited at December 31, unless it is determined that the employee was prevented from using such leave. Excess leave, where it is determined that the employee was prevented from taking the leave, will be paid with the first payroll of the new calendar year, upon approval of the President/CEO. Employees who resign, are laid off, or otherwise separated from the Authority shall be entitled to be paid for any unused annual leave earned by them as of the date of termination, not to exceed the above referenced limits.

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A specific number of professional leave hours are available to exempt employees. Employees must be employed for 180 days of the calendar year to be eligible for professional leave for that year. The professional leave does not accrue and rollover from year to year. Unused professional leave is not paid upon termination. No accrual has been made for professional leave.

The Authority's sick leave policy provides for an unlimited accumulation of earned sick leave. Sick leave is earned by regular, full-time employees at a rate of 12 days per year. All employees who properly resign, are laid off, or otherwise separated from the Authority in good standing shall be entitled to be paid for 33% of up to 240 hours of earned, but unused sick leave. The Authority has accrued sick pay in accordance with GASB Statement 101.

The Authority has assumed a first-in, first-out method of using all accumulated compensated time. The portion of time estimated to be used in the next fiscal year has been designated as a current liability in the financial statements.

Long-Term Obligations

In the proprietary fund types in the fund financial statements, long-term debt and other long-term obligations are reported as liabilities in the applicable business-type activities. Bond premiums and discounts are deferred and amortized over the life of the bonds using the straight-line method that approximates the effective interest method. Bonds payable are reported net of the applicable bond premiums or discount. Bond issuance costs, except for prepaid insurance costs, are expenses in the reporting period in which they are incurred. Prepaid insurance costs are expensed over the life of the debt.

Net Position

Net position in proprietary fund financial statements is classified as net investment in capital assets, restricted and unrestricted. Restricted net position represents constraints on resources that are either externally imposed by creditors, grantors, contributors, laws or regulations of other governments, or imposed by law through state statute.

The Authority spends grant revenue as allowed within grant agreements. Matching funds for federal grants may be paid from state, local non-Authority and/or Authority funds. For purposes of net position classification, expenses are paid from restricted first then unrestricted. Net investment in capital assets is not a viable source for expenses, as this represents capital assets and related accumulated depreciation.

Defined Benefit Cost-Sharing Plans

For purposes of measuring the net pension liability, deferred outflows of resources and deferred inflows of resources related to pensions, and pension expense, information about the fiduciary net position of the Local Governmental Employees' Retirement System (LGERS) and additions to/deductions from LGERS' fiduciary net position have been determined on the same basis as they are reported by LGERS. For this purpose, plan member contributions are recognized in the period in which the contributions are due. The Authority's employer contributions are recognized when due and the Authority has a legal requirement to provide the contributions. Benefits and refunds are recognized when due and payable in accordance with the terms of LGERS. Investments are reported at fair value.

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2. Detailed Notes On All Funds

A. Assets

Deposits

All the deposits of the Authority are either insured or collateralized by using one of two methods. Under the Dedicated Method, all deposits exceeding the federal depository insurance coverage level are collateralized with securities held by the Authority's agents in its name. Under the Pooling Method, which is a collateral pool, all uninsured deposits are collateralized with securities held by the state Treasurer's agent in the name of the state Treasurer. Since the state Treasurer is acting in a fiduciary capacity for the Authority, these deposits are considered to be held by the Authority's agents in their names. The amount of the pledged collateral is based on an approved averaging method for non-interest-bearing deposits and the actual current balance for interest-bearing deposits. Depositories using the Pooling Method report to the state Treasurer the adequacy of their pooled collateral covering uninsured deposits. The state Treasurer does not confirm this information with the Authority or the escrow agent. Because of the inability to measure the exact amounts of collateral pledged for the Authority under the Pooling Method, the potential exists for undercollateralization, and this risk may increase in periods of high cash flows; however, the state Treasurer of North Carolina enforces strict standards of financial stability for each depository that collateralizes public deposits under the Pooling Method.

The state Treasurer enforces standards of minimum capitalization for all pooling method financial institutions. The Authority relies on the state Treasurer to monitor those financial institutions. The Authority analyzes the financial soundness on any other financial institution used by the Authority. The Authority complies with the provisions, G.S. 159-31, when designating official depositories and verifying that deposits are properly secured. The Authority does not have a policy regarding custodial credit risk for deposits.

At June 30, 2025, the Authority's deposits had a carrying amount of $18,686,054 and a bank balance of $19,383,132. Of the bank balance, $250,000 was covered by federal depository insurance, and $19,133,132 was covered under the Pooling Method. The Authority maintains petty cash of $300.

At June 30, 2024, the Authority's deposits had a carrying amount of $22,581,167 and a bank balance of $22,923,382. Of the bank balance, $500,000 was covered by federal depository insurance, and $22,423,382 was covered under the Pooling Method. The Authority maintains petty cash of $200.

Investments

At June 30, 2025, the Authority's investments and maturities were as follows:

Investment Type	Valuation Measurement Method	Fair Value	Less than 6 Months
North Carolina Capital Management Trust - Government Portfolio	Fair Value Level 1	$281,376,893	$281,376,893

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At June 30, 2024, the Authority's investments and maturities were as follows:

Investment Type	Valuation Measurement Method	Fair Value	Less than 6 Months
North Carolina Capital Management Trust - Government Portfolio	Fair Value Level 1	$358,441,899	$358,441,899

* Because the NCCMT Government has a weighted average maturity of less than 90 days, it is presented as an investment with a maturity of less than 6 months. The NCCMT Government Portfolio has an AAAm rating from S&P and AAA-mf by Moody's Investor Service.

All investments are measured using the market approach: using prices and other relevant information generated by market transactions involving identical or comparable assets or a group of assets.

Level of Fair Value Hierarchy: Level 1: Debt securities valued using directly observable, quoted prices (unadjusted) in active markets for identical assets.

Interest Rate Risk. As a means of limiting its exposure to fair value losses arising from rising interest rates, the Authority's investment policy limits at least half of the Authority's investment portfolio to maturities of less than 12 months. Also, the Authority's investment policy requires purchases of securities to be laddered with staggered maturity dates and limits all securities to a final maturity of not more than three years.

Credit Risk. State law limits investments in commercial paper to the top rating issued by nationally recognized statistical rating organizations (NRSROs); however, the Authority has no formal policy on managing credit risk. As of June 30, 2025, the Authority's investment in the North Carolina Capital Management Trust Government Portfolio carried a credit rating of AAAm by Standard & Poor's and AAA-mf by Moody's Investors Service.

Accounts Receivable

The balance of accounts receivable at June 30, 2025 and 2024 consisted of the following:

	2025	2024
Trade receivables	$ 1,923,552	$ 1,720,588
Sales tax refunds receivables	2,314,294	1,670,030
Total	$ 4,237,846	$ 3,390,618

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Lease Receivable

At June 30, 2025, the Authority had leases with vendors that under the leases, the lessees paid both fixed and variable payments. In months where the lessee's gross revenue exceeds certain amounts as stated in the lease agreements, the lessees make additional variable payments. The lease receivable is measured as the present value of the future minimum fixed rent payments expected to be received during the lease term at a discount rate of 2.62% for undeveloped land, 8.25% for commercial property, and 5.336% for residential property.

In fiscal year 2025, the Authority recognized $1,019,825 of lease revenue and $1,139,661 of interest revenue under the leases. In fiscal year 2024, the Authority recognized $2,533,398 of lease revenue and $1,283,842 of interest revenue under the leases. The future payments to be received are as follows:

Year Ending June 30	Principal	Interest	Total
2026	$ 2,028,135	$ 977,434	$ 3,005,569
2027	2,106,758	807,027	2,913,785
2028	2,262,026	628,211	2,890,237
2029	2,455,816	434,420	2,890,236
2030	2,666,345	224,025	2,890,370
Thereafter	1,261,031	349,869	1,610,900
Total	$ 12,780,111	$ 3,420,986	$ 16,201,097

Capital Assets

The capital assets of the Authority at June 30, 2025 are as follows:

	July 1, 2024	Increases	Decreases	Transfers	June 30, 2025
Business-Type Activities:					
Non-Depreciable Capital Assets:					
Land	$ 10,669,599	$ -	$ -	$ -	$ 10,669,599
Construction in progress	168,437,421	145,833,773	-	(9,102,479)	305,168,715
Total non-depreciable capital assets	179,107,020	145,833,773	-	(9,102,479)	315,838,314
Depreciable Capital Assets:					
Leasehold improvements	243,797,956	-	-	7,358,412	251,156,368
Equipment	7,485,165	22,152	-	902,181	8,409,498
Furniture	198,448	-	-	-	198,448
Vehicles	3,762,733	-	(125,746)	841,886	4,478,873
Total depreciable capital assets	255,244,302	22,152	(125,746)	9,102,479	264,243,187

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	July 1, 2024	Increases	Decreases	Transfers	June 30, 2025
Less Accumulated Depreciation:					
Leasehold improvements	82,555,749	7,568,603	-	-	90,124,352
Equipment	5,397,680	482,501	-	-	5,880,181
Furniture	195,366	1,851	-	-	197,217
Vehicles	2,733,525	311,893	(125,746)	-	2,919,672
Total accumulated depreciation	90,882,320	8,364,848	(125,746)	-	99,121,422
Total depreciable capital assets, net	164,361,982				165,121,765
Business-type activities capital assets, net	$ 343,469,002				$ 480,960,079

The capital assets of the Authority at June 30, 2024 are as follows:

	July 1, 2023	Increases	Decreases	Transfers	June 30, 2024
Business-Type Activities:					
Non-Depreciable Capital Assets:					
Land	$ 10,669,599	$ -	$ -	$ -	$ 10,669,599
Construction in progress	63,818,899	106,473,480	-	(1,854,958)	168,437,421
Total non-depreciable capital assets	74,488,498	106,473,480	-	(1,854,958)	179,107,020
Depreciable Capital Assets:					
Leasehold improvements	242,317,324	541,975	-	938,657	243,797,956
Equipment	7,172,504	-	(6,555)	319,216	7,485,165
Furniture	198,448	-	-	-	198,448
Vehicles	3,215,725	86,000	(136,077)	597,085	3,762,733
Total depreciable capital assets	252,904,001	627,975	(142,632)	1,854,958	255,244,302
Less Accumulated Depreciation:					
Leasehold improvements	74,944,605	7,611,144	-	-	82,555,749
Equipment	4,942,903	460,229	(5,452)	-	5,397,680
Furniture	192,498	2,868	-	-	195,366
Vehicles	2,659,068	209,148	(134,691)	-	2,733,525
Total accumulated depreciation	82,739,074	8,283,389	(140,143)	-	90,882,320
Total depreciable capital assets, net	170,164,927				164,361,982
Business-type activities capital assets, net	$ 244,653,425				$ 343,469,002

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Construction Commitments

The Authority has active construction projects as of June 30, 2025. At year-end, the Authority's commitments with contractors are as follows:

Project	Spent-to-Date	Remaining Commitment
Airport Master Plan	$ 1,012,562	$ 21,990
ATCT and Base Building Facility - Design	4,522,166	508,735
ATCT and Base Building Facility - Construction	41,380,019	5,579,102
Parking Lot South Area - Design	431,189	24,228
Parking Lot South Area - Construction	7,334,496	1,552,549
Taxiway A Rehab - Design	620,475	508,667
Terminal Building Modernization-Expansion - Design	18,505,972	2,668,255
Terminal Building Modernization-Expansion - Construction	206,042,565	155,116,112
ATCT and Base Building Facility - Project Management	93,378	292,426
Terminal Building Project Management FY25	1,472,283	189,161
Terminal Building Project Management FY26	-	1,998,796
Overlook Parking - Design	936,385	1,158,426
RON-Overnight Parking - Design	279,319	272,321
Parking Garage - Design	204,599	4,759,719
Perimeter Road Improvements	-	306,800
Total	$ 282,835,408	$ 174,957,287

B. Liabilities

Payables

Payables at June 30, 2025 and 2024 were as follows:

	Vendors	Salaries and Benefits	Total
June 30, 2025:			
Accounts payable	$ 2,459,741	$ -	$ 2,459,741
Accrued liabilities	-	203,075	203,075
Total	$ 2,459,741	$ 203,075	$ 2,662,816
June 30, 2024:			
Accounts payable	$ 1,215,464	$ -	$ 1,215,464
Accrued liabilities	-	218,809	218,809
Total	$ 1,215,464	$ 218,809	$ 1,434,273

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Pension Plan Obligations

Local Governmental Employees' Retirement System

Plan Description. The Authority is a participating employer in the statewide Local Governmental Employees' Retirement System (LGERS), a cost-sharing, multiple-employer defined benefit pension plan administered by the state of North Carolina. LGERS membership is comprised of general employees and local law enforcement officers (LEOs) of participating local governmental entities, firefighters and rescue squad workers. Article 3 of G.S. Chapter 128 assigns the authority to establish and amend benefit provisions to the North Carolina General Assembly. Management of the plan is vested in the LGERS Board of Trustees, which consists of 13 members – nine appointed by the Governor, one appointed by the state Senate, one appointed by the state House of Representatives, and the state Treasurer and state Superintendent, who serve as ex-officio members. The Local Governmental Employees' Retirement System is included in the Annual Comprehensive Financial Report for the state of North Carolina. The state's Annual Comprehensive Financial Report includes financial statements and required supplementary information for LGERS. That report may be obtained by writing to the Office of the State Controller, 1410 Mail Service Center, Raleigh, North Carolina 27699-1410, by calling (919) 981-5454, or at www.osc.nc.gov.

Benefits Provided. LGERS provides retirement, disability and survivor benefits. Retirement benefits are determined as 1.85% of the member's average final compensation times the member's years of creditable service. A member's average final compensation is calculated as the average of a member's four highest consecutive years of compensation. General employee plan members are eligible to retire with unreduced retirement benefits at age 65 with five years of creditable service, at age 60 with 25 years of creditable service, or at any age with 30 years of creditable service. General employee plan members are eligible to retire with reduced retirement benefits at age 50 with 20 years of creditable service or at age 60 with five years of creditable service (age 55 for firefighters and rescue squad workers). Disabled members may qualify for disability benefits at earlier ages. Survivor benefits are available to eligible beneficiaries of general employee plan members who die while in active service or within 180 days of their last day of service and who have either completed 20 years of creditable service regardless of age (15 years of creditable service for firefighters and rescue squad workers who are killed in the line of duty) or have completed five years of service and have reached age 60. Eligible beneficiaries may elect to receive a monthly Survivor's Alternate Benefit for life in lieu of the return of the member's contributions that is generally available to beneficiaries of deceased members. The plan does not provide for automatic post-retirement benefit increases. Cost of living benefit increases are contingent upon investment gains of the plan at the discretion of the LGERS Board of Trustees, except as authorized by the General Assembly.

LGERS plan members who are LEOs are eligible to retire with unreduced retirement benefits at age 55 with five years of creditable service as an officer, or at any age with 30 years of creditable service. LEO plan members are eligible to retire with reduced retirement benefits at age 50 with 15 years of creditable service as an officer. LEOs who complete 25 years of creditable service with 15 years as an officer are eligible to retire with reduced retirement benefits. Survivor benefits are available to eligible beneficiaries of LEO members who die while in active service or within 180 days of their last day of service and who also have either completed 20 years of creditable service

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regardless of age or have completed 15 years of service as a LEO and have reached age 50, or have completed five years of creditable service as a LEO and have reached age 55, or have completed 15 of creditable service as a LEO if killed in the line of duty. Eligible beneficiaries may elect to receive a monthly Survivor's Alternate Benefit for life in lieu of the return of the member's contributions that is generally available to beneficiaries of deceased members.

Contributions. Contribution provisions are established by General Statute 128-30 and may be amended only by the North Carolina General Assembly. Authority employees are required to contribute 6% of their compensation. Employer contributions are actuarially determined and set annually by the LGERS Board of Trustees. The Authority's contractually required contribution rate for the year ended June 30, 2025, was 15.04% of compensation for law enforcement officers and 13.64% for general employees, actuarially determined as an amount that, when combined with employee contributions, is expected to finance the costs of benefits earned by employees during the year. Contributions to the pension plan from the Authority were $968,631 for the year ended June 30, 2025. For the year ended June 30, 2024, the Authority's contractually required contribution rate was 14.04% for law enforcement officers and 12.90% for general employees. Contributions to the pension plan from the Authority were $773,344 for the year ended June 30, 2024.

Refunds of Contributions. Authority employees who have terminated service as a contributing member of LGERS, may file an application for a refund of their contributions. By state law, refunds to members include interest (currently 4% per year) regardless of the number of years of retirement service credit or for the reason for separation from service. State law requires a 60-day waiting period after service termination before the refund may be paid. The acceptance of a refund payment cancels the individual's right to employer contributions or any other benefit provided by LGERS.

Pension Liabilities, Pension Expense, and Deferred Outflows of Resources and Deferred Inflows of Resources Related to Pensions

At June 30, 2025 and 2024, the Authority reported a liability of $4,028,299 and $4,101,479, respectively, for its proportionate share of the net pension liability. The net pension liability was measured as of June 30, 2024. The total pension liability used to calculate the net pension liability was determined by an actuarial valuation as of December 31, 2023. The total pension liability was then rolled forward to the measurement date of June 30, 2024, utilizing update procedures incorporating the actuarial assumptions. The Authority's proportion of the net pension liability was based on a projection of the Authority's long-term share of future payroll covered by the pension plan, relative to the projected future payroll covered by the pension plan of all participating LGERS employers, actuarially determined. At June 30, 2025, the Authority's proportion was 0.05975% (measured as of June 30, 2024), which was a decrease of 0.00217% from its proportion as of June 30, 2024 (measured as of June 30, 2023.)

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For the years ended June 30, 2025 and 2024, the Authority recognized pension expense of $1,275,322 and $1,283,020, respectively. At June 30, 2025, the Authority reported deferred outflows of resources and deferred inflows of resources related to pensions from the following sources:

	Deferred Outflows of Resources	Deferred Inflows of Resources
Differences between expected and actual experience	$ 705,910	$ 4,746
Net difference between projected and actual earnings on pension plan investments	547,645	-
Changes in proportion and differences between Authority contributions and proportionate share of contributions	173,657	51,142
Authority contributions subsequent to the measurement date	968,631	-
Total	$ 2,395,843	$ 55,888

$968,631 reported as deferred outflows of resources related to pensions resulting from Authority contributions subsequent to the measurement date will be recognized as a decrease of the net pension liability in the year ending June 30, 2026. Other amounts reported as deferred inflows and outflows of resources related to pensions will be recognized in pension expense as follows:

Year Ending June 30	Amount
2026	$ 442,584
2027	868,086
2028	122,577
2029	(61,923)
2030	-
Total	$ 1,371,324

Actuarial Assumptions. The total pension liability in the December 31, 2023, actuarial valuation was determined using the following actuarial assumptions, applied to all periods included in the measurement:

Inflation	2.50 percent
Salary increase	3.25 to 8.25 percent, including inflation and productivity factor
Investment rate of return	6.5 percent, net of pension plan investment expense, including inflation

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The plan actuary currently uses mortality tables that vary by age, gender, employee group (i.e. general, law enforcement officer) and health status (i.e. disabled and healthy). The current mortality rates are based on published tables and based on studies that cover significant portions of the U.S. public plan population. The mortality rates also contain a provision to reflect future mortality improvements.

The actuarial assumptions and methods used in the December 31, 2023 valuation, were based on the results of an actuarial experience study prepared as of December 31, 2019 and adopted by the Board of Trustees on January 28, 2021.

Future ad hoc COLA amounts are not considered to be substantively automatic and are, therefore, not included in the measurement. The projected long-term investment returns and inflation assumptions are developed through review of current and historical capital markets data, sell-side investment research, consultant whitepapers, and historical performance of investment strategies. Fixed income return projections reflect current yields across the U.S. Treasury yield curve and market expectations of forward yields projected and interpolated for multiple tenors and over multiple year horizons. Global public equity return projections are established through analysis of the equity risk premium and the fixed income return projections. Other asset categories and strategies' return projections reflect the foregoing and historical data analysis. These projections are combined to produce the long-term expected rate of return by weighting the expected future real rates of return by the target asset allocation percentage and by adding expected inflation.

The target allocation and best estimates of arithmetic real rates of return for each major asset class as of June 30, 2024, are summarized in the following table:

Asset Class	Target Allocation	Long-Term Expected Real Rate of Return
Fixed income	33.0%	2.4%
Global equity	38.0%	6.9%
Real estate	8.0%	6.0%
Alternatives	8.0%	8.6%
Opportunistic fixed income	7.0%	5.3%
Inflation sensitive	6.0%	4.3%
Total	100.0%	

The information above is based on 30-year expectations developed with an investment consulting firm. The long-term nominal rates of return underlying the real rates of return are arithmetic annualized figures. The real rates of return are calculated from nominal rates by multiplicatively subtracting a long-term inflation assumption of 2.38%. Return projections do not include any excess return expectations over benchmark averages for public markets. All rates of return and inflation are annual amounts.

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Discount Rate. The discount rate used to measure the total pension liability was 6.50%. This discount rate is in line with the long-term nominal expected return on pension plan investments. The calculation of the net pension liability is a present value calculation of the future net pension payments. These net pension payments assume that contributions from plan members will be made at the current statutory contribution rate and that contributions from employers will be made at the contractually required rates, actuarially determined. Based on those assumptions, the pension plan's fiduciary net position was projected to be available to make all projected future benefit payments of the current plan members. Therefore, the long-term expected rate of return on pension plan investments was applied to all periods of projected benefits payments to determine the total pension liability.

Sensitivity of the Authority's Proportionate Share of the Net Pension Liability to Changes in the Discount Rate. The following presents the Authority's proportionate share of the net pension liability calculated using the discount rate of 6.50 percent, as well as what the Authority's proportionate share of the net pension asset or net pension liability would be if it were calculated using a discount rate that is one percentage point lower (5.50 percent) or one percentage point higher (7.50 percent) than the current rate:

	1% Decrease (5.50%)	Discount Rate (6.50%)	1% Increase (7.50%)
Authority's proportionate share of the net pension liability (asset)	$ 7,138,264	$ 4,028,299	$ 1,469,925

Pension Plan Fiduciary Net Position. Detailed information about the pension plan's fiduciary net position is available in the separately issued Annual Comprehensive Financial Report for the state of North Carolina.

Law Enforcement Officers' Special Separation Allowance

Plan Description. The Authority administers a public employee retirement system (the "Separation Allowance"), a single-employer defined benefit pension plan that provides retirement benefits to the Authority's qualified sworn law enforcement officers under the age of 62 who have completed at least 30 years of creditable service or have attained 55 years of age and have completed five or more years of creditable service. The Separation Allowance is equal to .85 percent of the annual equivalent of the base rate of compensation most recently applicable to the officer for each year of creditable service. The retirement benefits are not subject to any increases in salary or retirement allowances that may be authorized by the General Assembly. Article 12D of G.S. Chapter 143 assigns the authority to establish and amend benefit provisions to the North Carolina General Assembly.

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All full-time law enforcement officers of the Authority are covered by the Separation Allowance. At December 31, 2023, the Separation Allowance's membership consisted of:

Retirees receiving benefits	2
Terminated plan members entitled to, but not yet receiving, benefits	-
Active plan members	20
Total	22

Summary of Significant Accounting Policies

Basis of Accounting. The Authority has chosen to fund the Separation Allowance on a pay-as-you-go basis. Pension expenditures are made from the General Fund, which is maintained on the modified accrual basis of accounting. Benefits and refunds are recognized when due and payable in accordance with the terms of the plan. A separate report is not issued for the plan.

The Separation Allowance has no assets accumulated in a trust that meet the criteria, which are outlined in GASB Statement 73.

Actuarial Assumptions

The entry age normal actuarial cost method was used in the December 31, 2023 valuation. The total pension liability in the December 31, 2023 actuarial valuation was determined using the following actuarial assumptions, applied to all periods included in the measurement:

Inflation	2.50 percent
Salary increase	3.25 - 7.75%
Discount rate	4.28%

The discount rate used to measure the TPL is the S&P Municipal Bond 20-Year High Grade Rate Index. The actuarial assumptions used in the December 31, 2023 valuation were based on the results of an experience study completed by the Actuary for the Local Governmental Employees' Retirement System for the five-year period ended December 31, 2019.

Mortality Assumption: All mortality rates use Pub-2010 amount-weighted tables.

Mortality Projection: All mortality rates are projected from 2010 using generational improvement with Scale MP-2019.

Deaths After Retirement (Healthy): Mortality rates are based on the Safety Mortality Table for Retirees. Rates for all members are multiplied by 97% and set forward by 1 year.

Deaths After Retirement (Disabled Members at Retirement): Mortality rates are based on the Non-Safety Mortality Table for Disabled Retirees. Rates are set back three years for all ages.

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Deaths After Retirement (Survivors of Deceased Members): Mortality rates are based on the Below-median Teachers Mortality Table for Contingent Survivors. Rates for male members are set forward three years. Rates for female members are set forward one year. Because the contingent survivor tables have no rates prior to age 45, the Below-median Teachers Mortality Table for Employees is used for ages less than 45.

Deaths Prior to Retirement: Mortality rates are based on the Safety Mortality Table for Employees.

Contributions. The Authority is required by Article 12D of G.S. Chapter 143 to provide these retirement benefits and has chosen to fund the amounts necessary to cover the benefits earned on a pay-as-you-go basis through appropriations made in the operating budget. There were no contributions made by employees. The Authority's obligation to contribute to this plan is established and may be amended by the North Carolina General Assembly. Administrative costs of the Separation Allowance are financed through investment earnings. The Authority paid $51,758 as benefits came due for the reporting period.

Pension Liabilities, Pension Expense, and Deferred Outflows of Resources and Deferred Inflows of Resources Related to Pensions

At June 30, 2025 and 2024, the Authority reported a total pension liability of $981,137 and $942,674, respectively. The total pension liability was measured as of December 31, 2024 based on a December 31, 2023 actuarial valuation. The total pension liability was then rolled forward to the measurement date of December 31, 2024 utilizing update procedures incorporating the actuarial assumptions. For the years ended June 30, 2025 and 2024, the Authority recognized pension expense of $140,340 and $124,628, respectively.

	Deferred Outflows of Resources	Deferred Inflows of Resources
Differences between expected and actual experience	$ 254,503	$ 13
Changes of assumptions	39,796	80,426
Benefit payments and administrative expenses subsequent to the measurement date	40,096	-
Total	$ 334,395	$ 80,439

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$40,096 reported as deferred outflows of resources related to pensions resulting from benefit payments made and administrative expenses incurred subsequent to the measurement date will be recognized as a decrease of the total pension liability in the year ending June 30, 2026. Other amounts reported as deferred inflows and outflows of resources related to pensions will be recognized in pension expense as follows:

Year Ending June 30	Amount
2026	$ 71,450
2027	45,920
2028	42,458
2029	36,653
2030	16,532
Thereafter	847
Total	$ 213,860

Sensitivity of the Authority's Total Pension Liability to Changes in the Discount Rate. The following presents the Authority's total pension liability calculated using the discount rate of 4.28 percent, as well as what the Authority's total pension liability would be if it were calculated using a discount rate that is 1-percentage-point lower (3.28 percent) or 1-percentage-point higher (5.28 percent) than the current rate:

	1% Decrease (3.28%)	Discount Rate (4.28%)	1% Increase (5.28%)
Total pension liability	$ 1,054,916	$ 981,137	$ 913,810

Schedule of Changes in Total Pension Liability

	2024	2023
Total beginning pension liability as of December 31	$ 942,674	$ 703,270
Changes for the year:		
Service cost at end of year	37,696	35,217
Interest	36,672	29,455
Difference between expected and actual experience	35,844	193,736
Changes of assumptions and other inputs	(19,991)	20,701
Benefit payments	(51,758)	(39,705)
Net changes	38,463	239,404
Total ending pension liability as of December 31	$ 981,137	$ 942,674

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Total Expense, Liabilities, and Deferred Outflows and Inflows of Resources of Related to Pensions

Following is information related to the proportionate share and pension expense for all pension plans:

	LGERS	LEOSSA	Total
Pension expense	$ 1,275,322	$ 140,340	$ 1,415,662
Pension liability	4,028,299	941,041	4,969,340
Proportionate share of the net position liability	0.05975%	n/a	n/a
Deferred Outflows of Resources:			
Differences between expected and actual experience	$ 705,910	$ 254,503	$ 960,413
Changes of assumptions	-	39,796	39,796
Net difference between projected and actual earnings on plan investments	547,645	-	547,645
Changes in proportion and differences between contributions and proportionate share of contributions	173,657	-	173,657
Contributions and administrative costs paid subsequent to the measurement date	968,631	40,096	1,008,727
Total	$ 2,395,843	$ 334,395	$ 2,730,238
Deferred Inflows of Resources:			
Differences between expected and actual experience	$ 4,746	$ 13	$ 4,759
Changes of assumptions	-	80,426	80,426
Changes in proportion and differences between contributions and proportionate share of contributions	51,142	-	51,142
Total	$ 55,888	$ 80,439	$ 136,327

Supplemental Retirement Income Plan

Plan Description. The Authority contributes to the Supplemental Retirement Income Plan (the "Plan"), a defined contribution pension plan administered by the Department of State Treasurer and a Board of Trustees. The Plan provides retirement benefits to employees of the Authority. Article 5 of G.S. Chapter 135 assigns the authority to establish and amend benefit provisions to the North Carolina General Assembly. The Supplemental Retirement Income Plan for Law Enforcement Officers is included in the Annual Comprehensive Financial Report (the "ACFR") for the state of North Carolina. The state's ACFR includes the pension trust fund financial statements for the Internal Revenue Code Section 401(k) plan that includes the Supplemental Retirement Income Plan. That report may be obtained by writing to the Office of the State Controller, 1410 Mail Service Center, Raleigh, North Carolina 27699-1410, or by calling (919) 981-5454.

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Funding Policy. Article 12E of G.S. Chapter 143 requires the Authority to contribute each month an amount equal to 5% of each officer's salary. In addition to the required contribution for law enforcement officers, the Authority makes a monthly contribution equal to 5% of non-law enforcement officer's salary. Also, law enforcement officers and non-law enforcement officers of the Authority may make voluntary contributions to the Plan.

The Authority made contributions of $79,168 and $268,631 for law enforcement officers and non-law enforcement officers, respectively, for the year ended June 30, 2025. The Authority made contributions of $80,293 and $220,561 for law enforcement officers and non-law enforcement officers, respectively, for the year ended June 30, 2024. No amounts were forfeited in 2025 or 2024.

Other Employment Benefits

The Authority has elected to provide death benefits to employees through the Death Benefit Plan for members of the Local Governmental Employees' Retirement System (Death Benefit Plan), a multiple employer, state-administered, cost-sharing plan funded on a one-year term cost basis. The beneficiaries of those employees who die in active service after one year of contributing membership in the System, or who die within 180 days after retirement or termination of service and have at least one year of contributing membership service in the System at the time of death, are eligible for death benefits. Lump-sum death benefit payments to beneficiaries are equal to the employee's 12 highest months' salary in a row during the 24 months prior to the employee's death, but the benefit may not exceed $50,000, or be less than $25,000. Because all death benefit payments are made from the Death Benefit Plan, the Authority does not determine the number of eligible participants. The Authority has no liability beyond the payment of the monthly contributions. The contributions to the Death Benefit Plan cannot be separated between the post-employment benefit amount and the other benefit amount. Contributions are determined as a percentage of monthly payroll based on rates established annually by the state. Separate rates are set for employees not engaged in law enforcement and for law enforcement officers. The Authority considers these contributions to be immaterial.

The Department of State Treasurer uses funds derived from court costs to offset employer contribution rates to the LGERS Death Benefit Plan for law enforcement officers. During the fiscal year ended June 30, 2025, these offset funds matched the total contribution rate of .20%.

The Authority provides health, dental, short-term and long-term disability, life insurance, and a 457 deferred compensation plan to its regular full-time employees. Regular part-time employees, working at least 1,000 hours annually, qualify for these benefits.

Other Post-Employment Benefits (OPEB)

Healthcare Benefits

Plan Description. Under the terms of an Authority resolution, the Authority administers a single-employer defined benefit healthcare plan (the "Retiree Health Plan.") The Authority Board has the authority to establish and amend the benefit terms and financing requirements. No assets are accumulated in a trust that meets the criteria in paragraph 4 of GASB Statement 75.

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Benefits Provided. The Plan provides post-employment healthcare benefits to retirees of the Authority up to age 65, provided they participate in the North Carolina Local Governmental Employees' Retirement System, were hired prior to July 1, 2011, and were covered by the Authority's group health plan for the three years immediately preceding retirement. The Authority pays the full cost of coverage for these benefits through private insurers. Also, the Authority's retirees can purchase coverage for their dependents at the Authority's group rates. Employees hired on or after July 1, 2011, are not eligible for the Authority's post-employment healthcare benefits. Retirees who qualify for coverage receive the same benefits as active employees. Coverage for all retirees who are eligible for Medicare will no longer be eligible for post-employment healthcare benefits by the Authority. The Authority Board may amend the benefit provisions. A separate report was not issued for the Plan.

Membership of the Retiree Health Plan consisted of the following at June 30, 2023, the date of the latest actuarial valuation:

Retirees receiving benefits	4
Terminated plan members entitled to, but not yet receiving, benefits	-
Active plan members	17
Total	21

Total OPEB Liability

At June 30, 2025 and 2024, the Authority reported a total OPEB liability of $1,219,112 and $1,151,312, respectively. The total OPEB liability was measured as of June 30, 2024 and was determined by an actuarial valuation as of June 30, 2023.

Actuarial Assumptions and Other Inputs. The total OPEB liability in the June 30, 2023 actuarial valuation was determined using the following actuarial assumptions and other inputs, applied to all periods included in the measurement unless otherwise specified:

Inflation	2.50 percent
Salary increase:	
General Employees	3.25 - 8.41 percent, including wage inflation
Firefighters	3.25 - 8.15 percent, including wage inflation
Law Enforcement Officers	3.25 - 7.90 percent, including wage inflation
Discount rate	
Prior measurement date	3.65 percent
Measurement date	3.93 percent
Healthcare cost trends	
Pre-Medicare	7.00 percent for 2023 decreasing to an ultimate 4.50 percent by 2033

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The Authority selected a Municipal Bond Index Rate equal to the Bond Buyer 20-year General Obligation Bond Index published at the last Thursday of June by The Bond Buyer, and the Municipal Bond Index Rate as of the measurement date as the discount rate used to measure the TOL.

Mortality rates were based on the Pub-2010 mortality tables, with adjustments for LGERS experience and generational mortality improvements using Scale MP-2019. The demographic actuarial assumptions for retirement, disability incidence, withdrawal, and salary increase used in the June 30, 2023 valuation were based on the results of an actuarial experience study for the period January 1, 2015 – December 31, 2019, adopted by the LGERS Board. The remaining actuarial assumptions (e.g., initial per capita costs, healthcare cost trends, rate of plan participation, rates of plan election, etc.) used in the June 30, 2023 valuation were based on a review of recent plan experience done concurrently with the June 30, 2023 valuation.

Schedule of Changes in Total OPEB Liability

	2024	2023
Total beginning OPEB liability as of June 30	$ 1,151,312	$ 1,229,255
Changes for the year:		
Service cost at end of year	37,347	42,761
Interest	44,739	44,002
Difference between expected and actual experience	69,758	(135,188)
Changes of assumptions and other inputs	(23,973)	29,007
Benefit payments and implicit subsidy credit	(60,071)	(58,525)
Net changes	67,800	(77,943)
Total ending pension liability as of June 30	$ 1,219,112	$ 1,151,312

Sensitivity of the Total OPEB Liability to Changes in the Discount Rate. The following presents the total OPEB liability of the Authority, as well as what the Authority's total OPEB liability would be if it were calculated using a discount rate that is 1-percentage-point lower or 1-percentage-point higher than the current discount rate:

	1% Decrease (2.93%)	Discount Rate (3.93%)	1% Increase (4.93%)
Total OPEB liability	$ 1,306,675	$ 1,219,112	$ 1,137,938

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Sensitivity of the Total OPEB Liability to Changes in the Healthcare Cost Trend Rates. The following presents the total OPEB liability of the Authority, as well as what the Authority's total OPEB liability would be if it were calculated using healthcare cost trend rates that are 1-percentage-point lower or 1-percentage-point higher than the current healthcare cost trend rates:

	1% Decrease	Discount Rate	1% Increase
Total OPEB liability	$ 1,112,050	$ 1,219,112	$ 1,339,835

OPEB Expense, Deferred Outflows of Resources, and Deferred Inflows of Resources Related to OPEB

For the years ended June 30, 2025 and 2024, the Authority recognized OPEB expense of $40,023 and $20,901, respectively. At June 30, 2025, the Authority reported deferred outflows of resources and deferred inflows of resources related to OPEB from the following sources:

	Deferred Outflows of Resources	Deferred Inflows of Resources
Differences between expected and actual experience	$ 5,054	$ 49,464
Changes of assumptions	54,761	76,340
Benefit payments and administrative costs made subsequent to the measurement date	68,974	-
Total	$ 128,789	$ 125,804

$68,974 reported as deferred outflows of resources related to pensions resulting from benefit payments made and administrative expenses incurred subsequent to the measurement date will be recognized as a decrease of the total OPEB liability in the year ending June 30, 2026. Other amounts reported as deferred inflows and deferred outflows of resources related to pensions will be recognized in pension expense as follows:

Year Ending June 30	Amount
2026	$ (14,034)
2027	(36,767)
2028	(13,019)
2029	(2,169)
2030	-
Thereafter	-
Total	$ (65,989)

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Long-Term Debt

On September 1, 2016, the Authority issued $21,000,000 of direct placement revenue bonds entitled Greater Asheville Regional Airport Authority System Revenue Bonds 2016A and 2016B. These bonds provide financing for the construction of a parking deck for the airport system. The bonds require sinking fund payments beginning July 1, 2017, ranging from $955,000 to $1,665,000 annually, including semi-annual interest ranging from 2.39% to 2.59%, until July 1, 2031. The balance of the bonds was $10,860,000 and $12,270,000 as of June 30, 2025 and 2024, respectively.

On June 1, 2022, the Authority issued $185,000,000 of direct placement revenue bonds entitled Greater Asheville Regional Airport Authority system revenue bonds 2022A. This bond provides financing for various improvements to the Authority's airport system. The bonds require sinking fund payments beginning July 1, 2027 ranging from $3,550,000 to $57,165,000 annually, including semi-annual interest ranging from 5.00% to 5.50%, until July 1, 2052. The balance of the bonds was $185,000,000 and $185,000,000 as of June 30, 2025 and 2024, respectively.

On May 16, 2023, the Authority issued $175,000,000 of direct placement revenue bonds entitled Greater Asheville Regional Airport Authority system revenue bonds. This bond provides financing for various improvements to the Authority's airport system. The bonds require principal payments beginning July 1, 2027, ranging from $3,160,000 to $11,610,000 annually, including semi-annual interest ranging from 5.00% to 5.25%, until July 1, 2053. The balance of the bonds was $175,000,000 and $175,000,000 as of June 30, 2025 and 2024, respectively.

The revenue bonds mature as follows:

Year Ending June 30	Principal	Interest
2026	$ 1,445,000	$ 19,142,849
2027	1,475,000	19,107,955
2028	8,225,000	18,904,474
2029	8,590,000	18,524,097
2030	8,980,000	18,125,759
2031-2035	46,185,000	84,143,297
2036-2040	54,765,000	71,877,856
2041-2045	70,500,000	55,662,519
2046-2050	91,500,000	34,069,744
2051-2053	79,195,000	7,718,212
Total	$ 370,860,000	$ 347,276,762

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The Authority is in compliance with the covenants of the bond order. The bond order requires the debt service coverage ratio to be no less than 125%. The debt service coverage ratio calculation for the year ended June 30, 2025 is as follows:

Airport revenues (excluding passenger facility charges)	$ 36,044,043
Current expenses *	18,013,753
Net revenues	$ 18,030,290
Debt service: **	
Principal	$ 1,445,000
Interest	259,554
	$ 1,704,554
Debt service coverage ratio	**1057.77%**

* excludes capital outlay, debt service, and depreciation
** per bond indenture, debt service for a fiscal year ending June 30, includes amounts of principal and interest due on the following July 1

The Authority has pledged future airport system revenues, net of specified operating expenses, to repay the $370,860,000 in airport system direct placement revenue bonds issued in 2016, 2022, and 2023. Proceeds from the bonds provided financing for the construction of the parking deck and other improvements. The bonds are payable solely from airport system net revenues and are payable through FY 2053.

Future airport system revenues, net of specified operating expenses, as well as PFC and state grant funding have been pledged to repay $360 million in revenue bonds issued in 2022 and 2023. Proceeds from these bonds provide financing for the construction of a new, expanded terminal and air traffic control tower. Annual interest payments on the 2022 and 2023 bonds will be paid from capitalized interest accounts through 2025. Beginning in 2026, the 2022A bonds will be payable from airport system net revenues, PFCs and state grant funds and are payable through 2052. Beginning in 2027, the 2023 bonds will be payable from airport system net revenues, PFC and state grant funds and are payable through 2053.

The total principal and interest remaining to be paid on the bonds is $718,136,762. Principal and interest paid for the current year and total customer net revenues were $20,586,966 and $18,371,760 respectively.

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Changes in Long-Term Liabilities

Changes in long-term liabilities are as follows:

	July 1, 2024	Additions	Retirements	June 30, 2025	Current
Direct placement revenue bonds	$ 372,270,000	$ -	$ 1,410,000	$ 370,860,000	$ 1,445,000
Direct placement revenue bond premiums	24,042,694	-	844,708	23,197,986	844,708
Compensated absences	1,059,423	-	173,685	885,738	279,462
Total pension liability (LEO)	942,674	38,463	-	981,137	40,096
Net pension liability (LGERS)	4,101,479	-	73,180	4,028,299	-
Total OPEB liability	1,151,312	151,844	84,044	1,219,112	68,974
Total	$ 403,567,582	$ 190,307	$ 2,585,617	$ 401,172,272	$ 2,678,240

	July 1, 2023	Additions	Retirements	June 30, 2024	Current
Direct placement revenue bonds	$ 373,645,000	$ -	$ 1,375,000	$ 372,270,000	$ 1,410,000
Direct placement revenue bond premiums	24,887,401	-	844,707	24,042,694	844,708
Compensated absences	721,850	800,025	462,452	1,059,423	615,957
Total pension liability (LEO)	703,270	239,404	-	942,674	-
Net pension liability (LGERS)	2,882,207	1,219,272	-	4,101,479	-
Total OPEB liability	1,229,255	-	77,943	1,151,312	-
Total	$ 404,068,983	$ 2,258,701	$ 2,760,102	$ 403,567,582	$ 2,870,665

Risk Management

The Authority is exposed to various risks of loss related to torts; theft of, damage to, and destruction of assets; errors and omissions; injuries to employees; and natural disasters. The Authority has property, general liability, flood, automobile, workers' compensation, crime, public officials, law enforcement, and employment practices coverage. There have been no significant reductions in insurance coverage from the previous year and settled claims have not exceeded coverage in any of the past three fiscal years.

The Authority carries flood insurance through Federal Insurance Company in the amount of $10,000,000.

The Authority's crime insurance covers all employees, with a limit of $250,000 per loss. The Finance Officer is bonded for $1,000,000 in order to comply with S.L.2022-53, Section 9(a).

A cyber insurance policy for up to $1,000,000 single and aggregate limit for both first party and third-party claims is carried by the Airport to insure against losses and damages and address major cyber risks such as data breach, business interruption, data theft or corruption, and cyber extortion.

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Net Position

The Authority Board has established an operations and maintenance designation equal to six months of the Airport's subsequent year's operations and maintenance budget. The Board has also designated $650,000 for emergency repairs. Unrestricted net position consists of the following:

	2025	2024
Unrestricted net position, designated for:		
Operating and maintenance designation	$ 14,775,556	$ 8,250,808
Emergency repair designation	650,000	650,000
Undesignated, unrestricted net position	(172,833,539)	(277,829,880)
Total unrestricted net position	$ (157,407,983)	$ (268,929,072)

Revenue and Expenses

Regulated Leases

At June 30, 2025, the Authority had one or more leases regulated by the Federal Aviation Administration. The leases are subject to fixed monthly rent payments that are adjusted annually using CPI or 3%, whichever is highest. One of the leases will be subject to variable payments based on revenue beginning in 2035. In fiscal years 2025 and 2024, the Authority recognized $395,499 and $308,931, respectively, of lease revenue from regulated leases.

Year Ending June 30	Amount
2026	$ 562,772
2027	573,112
2028	583,762
2029	594,731
2030	606,029
Thereafter	10,027,115
Total	$ 12,947,521

Passenger Facility Charges

The Authority receives from the airline carriers enplaning passengers at the Greater Asheville Regional Airport a facility charges $4.50 per passenger. Every air carrier servicing the Airport must collect $4.50 from passengers on all tickets sold and remit $4.39 of these funds to the Authority. The Authority must use these funds for Federal Aviation Administration (FAA) approved capital improvement projects. Revenues from passenger facility charges totaled $4,318,150 for the year ended June 30, 2025, and $5,077,366 for the year ended June 30, 2024.

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3. Commitments and Contingencies (Including Litigation)

A. Construction Contract Commitments

The Authority has commitments of approximately $175 million for the construction/renovation of facilities. These projects are to be funded through federal grants, state grants, customer facility charges and Authority funding.

The underlying contracts have termination provisions. The contract with architectural/engineering consulting firms representing approximately $12.4 million of the commitment amount allows either party to terminate the agreement with a seven-day written notice and the consultant is entitled to payment for work executed and costs incurred by reason of such termination.

The contracts with the construction firms representing $162.6 million of the commitment amount allows the attachment of surety bond for the faithful performance of work specified in strict conformity with specifications set forth. If said work is not completed within the time stated, the contractor shall be liable to pay the Authority liquidated damages in the amount of $3,000 per calendar day for each day thereafter that said work remains substantially incomplete.

B. Federal and State-Assisted Programs

The Authority has received proceeds from several federal and state grants. Periodic audits of these grants are required, and certain costs may be questioned as not being appropriate expenditures under the grant agreements. Such audits could result in the refund of grant monies to the grantor agencies. Management believes that any required refunds will be immaterial. No provision has been made in the accompanying financial statements for the refund of grant monies.

C. Contingent Liabilities

The Authority adopted a Supplemental Executive Retirement Plan effective May 10, 2024 for President and CEO Lew Bleiweis, A.A.E. Following the adoption of the Plan, the Authority made all appropriate filings as required by Employee Retirement Income and Security Act with the Department of Labor.

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GREATER ASHEVILLE REGIONAL AIRPORT AUTHORITY

LAW ENFORCEMENT OFFICERS' SPECIAL SEPARATION ALLOWANCE
REQUIRED SUPPLEMENTARY INFORMATION
LAST NINE FISCAL YEARS*

Schedule of Changes in Total Pension Liability

	2025	2024	2023	2022	2021
Beginning balance	$ 942,674	$ 703,270	$ 654,955	$ 614,383	$ 439,521
Changes for the year:					
Service cost at end of year	37,696	35,217	38,503	41,359	16,438
Interest	36,672	29,455	14,290	11,484	14,097
Difference between expected and actual experience	35,844	193,736	149,641	41,051	(68)
Changes of assumptions and other inputs	(19,991)	20,701	(114,414)	(14,609)	158,583
Benefit payments	(51,758)	(39,705)	(39,705)	(38,713)	(14,188)
Net changes	38,463	239,404	48,315	40,572	174,862
Ending balance of the total pension liability	$ 981,137	$ 942,674	$ 703,270	$ 654,955	$ 614,383

Schedule of Total Pension Liability as a Percentage of Covered Employee Payroll

	2025	2024	2023	2022	2021
Total pension liability	$ 981,137	$ 942,674	$ 703,270	$ 654,955	$ 614,383
Covered-employee payroll	1,362,645	1,213,829	889,156	983,184	675,287
Total pension liability as a percentage of covered-employee payroll	72.00%	77.66%	79.09%	66.62%	90.98%

Notes to the Schedule:
The Authority has no assets accumulated in a trust that meet the criteria in paragraph 4 of GASB Statement 73 to pay related benefits.

* The amounts presented for each fiscal year were determined as of the prior calendar year ending December 31.

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GREATER ASHEVILLE REGIONAL AIRPORT AUTHORITY

LAW ENFORCEMENT OFFICERS' SPECIAL SEPARATION ALLOWANCE
REQUIRED SUPPLEMENTARY INFORMATION
LAST NINE FISCAL YEARS*

Schedule of Changes in Total Pension Liability

	2020	2019	2018	2017
Beginning balance	$ 453,052	$ 474,558	$ 441,122	$ 446,133
Changes for the year:				
Service cost at end of year	14,922	21,066	18,349	21,843
Interest	16,242	14,748	16,298	15,375
Difference between expected and actual experience	(42,639)	(22,507)	7,343	-
Changes of assumptions and other inputs	11,606	(19,141)	29,226	(11,280)
Benefit payments	(13,662)	(15,672)	(37,780)	(30,949)
Net changes	(13,531)	(21,506)	33,436	(5,011)
Ending balance of the total pension liability	$ 439,521	$ 453,052	$ 474,558	$ 441,122

Schedule of Total Pension Liability as a Percentage of Covered Employee Payroll

	2020	2019	2018	2017
Total pension liability	$ 439,521	$ 453,052	$ 474,558	$ 441,122
Covered-employee payroll	621,433	731,825	740,566	740,566
Total pension liability as a percentage of covered-employee payroll	70.73%	61.91%	64.08%	59.57%

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GREATER ASHEVILLE REGIONAL AIRPORT AUTHORITY

OTHER POST-EMPLOYMENT BENEFITS
REQUIRED SUPPLEMENTARY INFORMATION
LAST EIGHT FISCAL YEARS

Schedule of Changes in the Total OPEB Liability and Related Ratios

	2025	2024	2023	2022
Service cost	$ 37,347	$ 42,761	$ 53,370	$ 57,504
Interest	44,739	44,002	29,211	28,064
Differences between expected and actual experience	69,758	(135,188)	6,833	(50,055)
Changes of assumptions	(23,973)	29,007	(135,793)	102,249
Benefit payments and implicit subsidy credit	(60,071)	(58,525)	(46,445)	(55,793)
Net change in total OPEB liability	67,800	(77,943)	(92,824)	81,969
Total OPEB liability - beginning	1,151,312	1,229,255	1,322,079	1,240,110
Total OPEB liability - ending	$ 1,219,112	$ 1,151,312	$ 1,229,255	$ 1,322,079
Covered-employee payroll	$ 1,742,088	$ 1,742,088	$ 1,469,523	$ 1,469,523
Total OPEB liability as a percentage of covered-employee payroll	69.98%	66.09%	83.65%	89.97%

Notes to the Schedule:

Changes of Assumptions: Changes of assumptions and other inputs reflect the effects of changes in the discount rate of each period. The following are the discount rates used in each period:

Fiscal Year	Rate
2018	3.56%
2019	3.89%
2020	3.50%
2021	2.21%
2022	2.16%
2023	3.54%
2024	3.65%
2025	3.93%

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GREATER ASHEVILLE REGIONAL AIRPORT AUTHORITY

OTHER POST-EMPLOYMENT BENEFITS
REQUIRED SUPPLEMENTARY INFORMATION
LAST EIGHT FISCAL YEARS

Schedule of Changes in the Total OPEB Liability and Related Ratios

	2021	2020	2019	2018
Service cost	$ 44,254	$ 73,409	$ 75,000	$ 79,544
Interest	39,123	48,250	42,614	35,421
Differences between expected and actual experience	(3,428)	(266,103)	(693)	265
Changes of assumptions	112,453	22,464	(39,497)	(65,963)
Benefit payments and implicit subsidy credit	(51,193)	(38,594)	(29,661)	(28,486)
Net change in total OPEB liability	141,209	(160,574)	47,763	20,781
Total OPEB liability - beginning	1,098,901	1,259,475	1,211,712	1,190,931
Total OPEB liability - ending	$ 1,240,110	$ 1,098,901	$ 1,259,475	$ 1,211,712
Covered-employee payroll	$ 1,525,141	$ 1,525,141	$ 1,794,239	$ 1,794,239
Total OPEB liability as a percentage of covered-employee payroll	81.31%	72.05%	70.20%	67.53%

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GREATER ASHEVILLE REGIONAL AIRPORT AUTHORITY

AUTHORITY'S PROPORTIONATE SHARE OF NET PENSION LIABILITY (ASSET)
REQUIRED SUPPLEMENTARY INFORMATION
LAST TEN FISCAL YEARS*

Local Governmental Employees' Retirement System	2025	2024	2023	2022	2021
Authority's proportion of the net pension liability (asset) (%)	0.05975%	0.06193%	0.05109%	0.05617%	0.05189%
Authority's proportion of the net pension liability (asset) ($)	$ 4,028,299	$ 4,101,479	$ 2,882,207	$ 861,420	$ 1,854,251
Authority's covered payroll	$ 5,886,880	$ 5,336,464	$ 4,112,609	$ 3,866,009	$ 3,701,694
Authority's proportionate share of the net pension liability (asset) as a percentage of its covered payroll	68.43%	76.86%	70.08%	22.28%	50.09%
Plan fiduciary net position as a percentage of the total pension liability (asset)**	83.30%	82.49%	84.14%	95.51%	88.61%

* The amounts presented for each fiscal year were determined as of the prior fiscal year ending June 30.

** This will be the same percentage for all participant employers in the LGERS plan.

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GREATER ASHEVILLE REGIONAL AIRPORT AUTHORITY

AUTHORITY'S PROPORTIONATE SHARE OF NET PENSION LIABILITY (ASSET)
REQUIRED SUPPLEMENTARY INFORMATION
LAST TEN FISCAL YEARS*

Local Governmental Employees' Retirement System	2020	2019	2018	2017	2016
Authority's proportion of the net pension liability (asset) (%)	0.04671%	0.05106%	0.05238%	0.05093%	0.05042%
Authority's proportion of the net pension liability (asset) ($)	$ 1,275,614	$ 1,211,318	$ 800,221	$ 1,080,905	$ 226,282
Authority's covered payroll	$ 3,368,784	$ 3,206,342	$ 3,226,530	$ 3,067,020	$ 2,861,908
Authority's proportionate share of the net pension liability (asset) as a percentage of its covered payroll	37.87%	37.78%	24.80%	35.24%	7.91%
Plan fiduciary net position as a percentage of the total pension liability (asset)**	90.86%	91.63%	94.18%	91.47%	98.09%

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GREATER ASHEVILLE REGIONAL AIRPORT AUTHORITY

SCHEDULE OF AUTHORITY'S CONTRIBUTIONS
REQUIRED SUPPLEMENTARY INFORMATION
LAST TEN FISCAL YEARS

Local Governmental Employees' Retirement System

	2025	2024	2023	2022	2021
Contractually required contribution	$ 968,631	$ 773,344	$ 658,590	$ 475,241	$ 399,893
Contributions in relation to the contractually required contribution	968,631	773,344	658,590	475,241	399,893
Contribution deficiency (excess)	$ -	$ -	$ -	$ -	$ -
Authority's covered payroll	$ 6,981,872	$ 5,886,880	$ 5,336,464	$ 4,112,609	$ 3,866,009
Contributions as a percentage of covered payroll	13.87%	13.14%	12.34%	11.56%	10.34%

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GREATER ASHEVILLE REGIONAL AIRPORT AUTHORITY

SCHEDULE OF AUTHORITY'S CONTRIBUTIONS
REQUIRED SUPPLEMENTARY INFORMATION
LAST TEN FISCAL YEARS

Local Governmental Employees' Retirement System

	2020	2019	2018	2017	2016
Contractually required contribution	$ 338,123	$ 267,877	$ 247,476	$ 241,459	$ 210,066
Contributions in relation to the contractually required contribution	338,123	267,877	247,476	241,459	210,066
Contribution deficiency (excess)	$ -	$ -	$ -	$ -	$ -
Authority's covered payroll	$ 3,701,694	$ 3,368,784	$ 3,206,342	$ 3,226,530	$ 3,067,020
Contributions as a percentage of covered payroll	9.13%	7.95%	7.72%	7.48%	6.85%

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GREATER ASHEVILLE REGIONAL AIRPORT AUTHORITY

SCHEDULE OF REVENUES AND EXPENDITURES - BUDGET AND ACTUAL (NON-GAAP)
FOR THE YEAR ENDED JUNE 30, 2025
WITH COMPARATIVE ACTUAL AMOUNTS FOR THE YEAR ENDED JUNE 30, 2024

	2025			2024
	Final Budget	Actual	Variance Over/Under	Actual
Revenues:				
Operating revenues:				
Terminal	$ 13,226,934	$ 11,695,204	$ (1,531,730)	$ 10,795,575
Airfield	4,839,037	4,077,813	(761,224)	3,573,029
General aviation	1,450,550	1,448,044	(2,506)	1,431,082
Parking lot	13,015,000	11,847,128	(1,167,872)	12,549,577
Land use	492,520	524,185	31,665	461,946
Interest income	10,200,000	14,856,202	4,656,202	20,711,429
Other	64,000	58,382	(5,618)	70,516
Reimbursable costs	-	850	850	-
Customer facility charges	2,862,000	3,245,017	383,017	2,799,464
Total operating revenues	46,150,041	47,752,825	1,602,784	52,392,618
Non-operating revenues:				
State grant reimbursements	8,300,000	-	(8,300,000)	-
Federal airport improvement program grants	33,300,000	-	(33,300,000)	-
FEMA grant	-	246,472	246,472	-
Insurance proceeds	-	94,998	94,998	-
Passenger facility charges	4,500,000	4,318,150	(181,850)	5,077,366
Total non-operating revenues	46,100,000	4,659,620	(41,440,380)	5,077,366
Total revenues	92,250,041	52,412,445	(39,837,596)	57,469,984
Expenditures:				
Administration	1,254,442	1,175,418	79,024	456,254
Planning	761,235	523,350	237,885	577,501
Executive	1,783,338	1,604,658	178,680	1,427,641
Finance	893,249	681,742	211,507	681,798
Guest services	371,724	327,349	44,375	307,714
Information technology	2,545,758	1,949,210	596,548	1,670,410
Marketing	1,066,500	605,582	460,918	874,408
Operations	7,876,201	6,634,604	1,241,597	5,763,063
Properties and contracts	432,720	385,534	47,186	309,272
Public safety	4,333,021	3,556,225	776,796	2,712,049
Reimbursable costs	-	-	-	5,656
Debt service - principal	1,410,000	1,410,000	-	1,375,000
Debt service - interest and other charges	18,440,899	18,440,899	-	15,076,005
Emergency repair	50,000	-	50,000	-

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GREATER ASHEVILLE REGIONAL AIRPORT AUTHORITY

SCHEDULE OF REVENUES AND EXPENDITURES - BUDGET AND ACTUAL (NON-GAAP)
FOR THE YEAR ENDED JUNE 30, 2025
WITH COMPARATIVE ACTUAL AMOUNTS FOR THE YEAR ENDED JUNE 30, 2024

	2025			2024
	Final Budget	Actual	Variance Over/Under	Actual
Business development	400,000	76,459	323,541	138,412
Disaster relief expenses	336,315	336,315	-	-
Contingency	100,000	-	100,000	-
Carry-over capital expenditures from prior year	310,788,501	-	310,788,501	-
Renewal and replacement capital outlay	22,152	22,152	-	627,975
Capital project expenditures	4,978,868	-	4,978,868	-
Total expenditures	357,844,923	37,729,497	320,115,426	32,003,158
Revenues over (under) expenditures	(265,594,882)	14,682,948	280,277,830	25,466,826
Other Financing Sources (Uses):				
Transfers (to)/from operating cash	265,594,882	(110,139,236)	(375,734,118)	(79,392,094)
Proceeds on sale of assets	-	-	-	128,781
Total other financing sources (uses)	265,594,882	(110,139,236)	(375,734,118)	(79,263,313)
Revenues and other financing sources over (under) expenditures and other financing uses	$ -	(95,456,288)	$ (95,456,288)	(53,796,487)
Reconciliation From Budgetary Basis (Modified Accrual) to Full Accrual:				
Capital outlay expenditures		22,152		627,975
Net revenue from capital project consolidation		35,694,537		26,037,612
Principal payments of bond maturities		1,410,000		1,375,000
Increase (decrease) in deferred outflows of resources		(455,682)		443,510
(Increase) decrease in accrued interest payable		16,850		(3,381,744)
(Increase) decrease in accrued compensated absences		173,685		(337,573)
(Increase) decrease in total pension liability (LEOSSA)		(38,463)		(239,404)
(Increase) decrease in net pension liability (LGERS)		73,181		(1,219,272)
(Increase) decrease in total OPEB liability		(67,800)		77,943
(Increase) decrease in deferred inflows of resources		156,923		35,033
Transfers (to)/from operating cash		110,139,236		79,392,094
Book value of disposed assets		-		(2,489)
Depreciation		(8,364,848)		(8,283,389)
Change in net position		$ 43,303,483		$ 40,728,809

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GREATER ASHEVILLE REGIONAL AIRPORT AUTHORITY

CAPITAL IMPROVEMENTS SUPPLEMENTAL SCHEDULE
SCHEDULE OF REVENUES AND EXPENDITURES - BUDGET AND ACTUAL (NON-GAAP)
FROM INCEPTION AND FOR THE YEAR ENDED JUNE 30, 2025

		Actual			
	Project Authorization	Prior Years	Current Year	Total to Date	Variance Over/Under
Revenues:					
Federal airport improvement program grants	$ 68,061,672	$ 26,189,720	$ 24,000,666	$ 50,190,386	$ (17,871,286)
TSA - OTA grant	19,783,677	4,209,952	9,250,202	13,460,154	(6,323,523)
Passenger facility charges	44,128,521	9,710,523	-	9,710,523	(34,417,998)
State grants	17,032,218	6,608,982	2,443,669	9,052,651	(7,979,567)
Total operating revenues	149,006,088	46,719,177	35,694,537	82,413,714	(66,592,374)
Expenditures:					
Terminal & ATC construction	452,730,899	151,040,891	140,904,773	291,945,664	160,785,235
Airfield stormwater improvements	1,000,278	919,389	5,250	924,639	75,639
South parking lot construction	10,747,282	8,607,307	439,287	9,046,594	1,700,688
Taxiway A rehab design	1,129,142	5,614	615,080	620,694	508,448
South GA apron construction	7,421,480	5,571,881	-	5,571,881	1,849,599
ARFF vehicle	1,340,850	-	11,702	11,702	1,329,148
Overlook parking - design	2,094,811	-	936,385	936,385	1,158,426
N commercial apron construction	7,625,034	-	-	-	7,625,034
S bag claim expansion	5,151,295	-	-	-	5,151,295
Parking garage - design	4,964,318	-	204,599	204,599	4,759,719
Other	9,504,214	2,292,338	2,716,697	5,009,035	4,495,179
Total expenditures	503,709,603	168,437,420	145,833,773	314,271,193	189,438,410
Revenues under expenditures	(354,703,515)	(121,718,243)	(110,139,236)	(231,857,479)	122,846,036
Other Financing Sources (Uses):					
Transfers (to)/from operating cash	(30,637,705)	120,674,469	110,139,236	230,813,705	261,451,410
Revenue bond issuance	360,000,000	360,000,000	-	360,000,000	-
Premium on revenue bonds issued	25,341,220	25,341,220	-	25,341,220	-
Total other financing sources (uses)	354,703,515	506,015,689	110,139,236	616,154,925	261,451,410
Revenues and other financing sources over (under) expenditures and other financing uses	$ -	$ 384,297,446	$ -	$ 384,297,446	$ 384,297,446

Note: Schedule represents cumulative activity for active capital improvement projects. Budget and actual activity is accounted for in the Operating Fund; not a separate fund. This schedule is for additional detail of active capital improvement projects.

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GREATER ASHEVILLE REGIONAL AIRPORT AUTHORITY

SCHEDULE OF EXPENDITURES OF FEDERAL AND STATE AWARDS
FOR THE YEAR ENDED JUNE 30, 2025

Grantor/Pass-through Grantor/Program Title	Federal AL Number	State/ Pass-through Grantor's Number	Federal (Direct & Passed-through) Expenditures	State Expenditures	Local Expenditures	Passed Through To Subrecipients
Federal Grants:						
U.S. Department of Homeland Security						
Transportation Security Administration (TSA)						
Direct Program:						
TSA Airport Checked Baggage Inspection System Program	97.U01		$ 9,250,202	$ -	$ 966,462	$ -
Federal Emergency Management Agency						
Disaster Grants - Public Assistance (Presidentially Declared Disasters)	97.036	DR-4827-NC	243,534	2,938	-	-
U.S. Department of Transportation						
Federal Aviation Administration						
Direct Program:						
Airport Improvement Program, Infrastructure Investment and Jobs Act Programs, and COVID-19 Airports Programs	20.106		24,000,666	-	13,414,789	-
Total Federal Awards			33,494,402	2,938	14,381,251	-
State Grants:						
N.C. Department of Transportation						
State Aid to Airports		DOT-8	-	2,443,669	-	-
Total N.C. Department of Transportation			-	2,443,669	-	-
Total State Awards			-	2,443,669	-	-
Total Federal and State Awards			$ 33,494,402	$ 2,446,607	$ 14,381,251	$ -
Passenger Facility Charges:						
Capital improvements						
Application approved number			11-05-C-00-AVL			
Beginning balance, unliquidated Passenger Facility Charges			$ 20,834,438			
Passenger Facility Charges collected			4,445,347			
Interest earned			1,000,185			
Expenditures			-			
Ending balance, unliquidated Passenger Facility Charges			$ 26,279,970			

Notes to the Schedule of Expenditures of Federal and State Awards:

1. The accompanying Schedule of Expenditures of Federal and State Awards (SEFSA) includes the federal and state grant activity of the Greater Asheville Regional Airport Authority under the programs of the federal government and the state of North Carolina for the year ended June 30, 2025. The information in this SEFSA is presented in accordance with the requirements of Title 2 U.S. *Code of Federal Regulations Part 200, Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* and the State Single Audit Implementation Act. Because the schedule presents only a selected portion of the operations of the Greater Asheville Regional Airport Authority, it is not intended to and does not present the financial position, changes in net position, or cash flows of the Greater Asheville Regional Airport Authority.

2. Expenditures reported in the SEFSA are reported on the full accrual basis of accounting. Such expenditures are recognized following the cost principles contained in Uniform Guidance, wherein certain types of expenditures are not allowable or are limited as to reimbursement. Greater Asheville Regional Airport Authority has elected not to use the 10-percent de minimus indirect cost rate as allowed under the Uniform Guidance.

DRAFT

MEMORANDUM

TO: Members of the Airport Authority

FROM: Lew Bleiweis, A.A.E., President & CEO

DATE: October 17, 2025

ITEM DESCRIPTION – New Business Item B

Approval of the Greater Asheville Regional Airport Authority Board 2026 Schedule

Below are the proposed dates for the 2026 Board Meetings to note on your calendars:

January 9	July 10
February 6*	August 14
March 20	September 18
April 10	October 9
May 8	November 13
June 12	December 11

All Authority Board Meetings will be held at 8:30 a.m. in the Council Chambers at the Fletcher Town Hall, 300 Old Cane Creek Road, Fletcher, NC 28732. The telephone number for the Airport Authority is (828) 684-2226.

*The February 6, 2026 Authority Board Meeting will be held at 8:30 a.m. in the Conference Room at the Public Safety Building, 136 Wright Brothers Way, Fletcher, NC 28732. The telephone number for the Airport Authority is (828) 684-2226.

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ASHEVILLE REGIONAL AIRPORT

MEMORANDUM

TO: Members of the Airport Authority

FROM: John Coon, Vice President Operations & Maintenance

DATE: October 17, 2025

ITEM DESCRIPTION – New Business Item C

Ratify Completed Repairs to Parking Garage and Reclassify Approved Expenditure from Capital Improvements to Renewal and Replacement

BACKGROUND

In the Board-approved FY 23/24 budget, $325,000.00 was approved for garage repairs. This expenditure was classified as Capital Improvement, which would require Board approval before any expenditure could take place, versus Renewal and Replacement. Staff thinking it was budgeted within Renewal and Replacement, expended $102,500.00 of the approved $325,000.00 spent during FY23/24. The balance of the dollars, $222,500.00, was a carryover for this fiscal year. It is requested that the Board reclassify the balance of $222,500.00 from Capital Improvements to Renewal and Replacements. It is also requested that the Board ratify the previous expenditure of $102,500.00.

ISSUES

Staff mistakenly spent $102,500.00 from a Capital Budget item without Board approval. Ratification of this expense will rectify this issue.

ALTERNATIVES

The Board could reject this request of moving the remaining amount from Capital to Renewal and Replacement, and thereby require Board approval for any additional expenditure from the budget line item.

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FISCAL IMPACT

None, expenditure was approved within the FY 23/24 budget.

RECOMMENDED ACTION

It is respectfully requested that the Greater Asheville Regional Airport Authority Board resolve to (1) ratify the expense of $102,500.00 for garage repairs that have been completed; (2) reclassify the previously approved expenditure from Capital Improvement to Renewal and Replacement, and (3) authorize the President & CEO to execute the necessary documents.

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ASHEVILLE REGIONAL AIRPORT

MEMORANDUM

TO: Members of the Airport Authority

FROM: Jared Merrill
Vice President - Planning

DATE: October 17, 2025

ITEM DESCRIPTION – New Business Item D

Approval of Construction Contract Change Order No. 7 with Kokolakis Contracting for the Air Traffic Control Tower and Associated Facilities Project and Approve Owner Allowance Project Items

BACKGROUND

The Board approved the construction contract for the Air Traffic Control Tower and Associated Facilities with J. Kokolakis Contracting, Inc. in November of 2022 in the amount of $44,344,052.00. Subsequently, in October of 2023 the Board approved Change Order #1 in the amount of $855,650.42. In May of 2024 the Board approved Change Order #2 in the amount of $136,504.18. In August of 2024, Change Order #3 was approved in the amount of $459,477.01. Change Order #4 was approved in September 2024 in the amount of $1,010,656.25. In March 2025 the Board approved Change Order #5 in the amount of $75,771.45. Change Order #6 was approved in August 2025 in the amount of $48,860.05.

There have been fifteen change order requests that have been compiled into this Change Order #7. The adds for this change order include, but are not limited to, items such as additional FAA security requirements, additional work due to an exterior framing conflict with the tower cab structure, the installation of fire/smoke dampers and unit heaters required by code, electrical fixtures replacement and electrical testing necessary due to utility power feed issues, and necessary door revisions. There is also credit of $471,943.93 in this change order for contracted unit cost items that were either not used or the actual amount was less than the original estimated quantities in the contract.

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Parsons has reviewed and negotiated these changes to a total of $381,088.06 and an additional 147 days that have already been expended, of which only 60 days are compensable. This brings the total cost of this contract to $47,312,069.42.

In addition, there are items that need to be completed for the project by the owner. These items include boring and cabling pull for GARAA utilities and the construction of a retention pond per NCDEQ requirements. The cables were provided by the contractor in unit pricing. Parsons has reviewed these items and recommends a budget of $350,000 for the work and a 10% contingency of $35,000 for a total project budget of $385,000. Contract award for this work will be brought to the board at a later date.

ISSUES

None. This work is required to complete the project.

ALTERNATIVES

None. This work is required to complete the project.

FISCAL IMPACT

The total cost for Change Order No. 7 with Kokolakis Contracting for the Air Traffic Control Tower and Associated Facilities is $381,088.06, which includes the credit for the unit costs. The added owner items budget is $385,000 for a total cost of $766,088.06. This does fall within the allowance that was approved for the Terminal and ATCT projects and does not require a budget amendment. Presently, the Authority's intent is to utilize FAA funds for a portion of this project. As part of the Bipartisan Infrastructure Law (BIL) the Airport has currently been awarded $28,500,000.00.

RECOMMENDED ACTION

It is respectfully requested that the Greater Asheville Regional Airport Authority Board resolve to (1) approve Change Order No. 7 with Kokolakis Contracting in the amount of $381,088.06 and 147 days; (2) approve the owner-items project budget of $385,000 and (3) authorize the President & CEO to execute the necessary documents.

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AIA® Document G701® – 2017

Change Order

PROJECT: *(Name and address)*
Greater Asheville Regional Airport
Air Traffic Control Tower (ATCT) and Associated Facilities Project
146 Westfeldt Road
Mills River, NC 28732

CONTRACT INFORMATION:
Contract For: Construction
Date: December 05, 2022

CHANGE ORDER INFORMATION:
Change Order Number: 07
Date: 10/10/2025

OWNER: *(Name and address)*
Greater Asheville Regional Airport Authority
61 Terminal Drive, Suite 1
Fletcher, NC 28732

ARCHITECT: *(Name and address)*
Pond and Company

3500 Parkway Lane, Suite 500
Peachtree Corners, GA 30092

CONTRACTOR: *(Name and address)*
Kokolakis Contracting, Inc.

202 E. Center Street
Tarpon Springs, FL 34689

THE CONTRACT IS CHANGED AS FOLLOWS:
(Insert a detailed description of the change and, if applicable, attach or reference specific exhibits. Also include agreed upon adjustments attributable to executed Construction Change Directives.)

All costs associated with the following changes:

COR #37 - Additional Security Requirements per FAA	$202,618.94/14 days
COR #46 - RFI #254: 16 ga. CFMF Exterior Framing Conflict with Structure	$118,865.54/77 days
COR #48 - Precast R.O. Conflicts with Contract Documents	$33,908.58/0 days
COR #55 - ASI #013 - Installation of FSD's and Unit Heaters	$257,927.08/36 days
COR #56 - Schneider Electric Testing of Electrical Equipment	$73,054.72/3 days
COR #57 - RFI #271: Head Clearance at Stair #2 5th Floor	$6,545.63/0 days
COR #58 - RFI #285 Door 122 Revisions	$7,494.88/0 days
COR #59 - Light Replacement due to Utility Power Issues	$61,599.41/0 days
COR #60 - Canopy Handrail Additions	$48,633.12/0 days
COR #61 - RFI #283 Added Drip Pans	$2,834.62/0 days
COR #63 - Unit Cost Worksheet Reconciliation	(-$471,943.93)/0 days
COR #64 - Door T-600	$11,602.67/0 days
COR #66 - Deck Drain Revisions	$7,706.69/0 days
COR #67 - Elevator Closet Revisions	$16,040.11/0 days
COR #69 - Stair Pressurization Revisions	$4,200.00/17 days

The original Contract Sum was	$ 44,344,052.00
The net change by previously authorized Change Orders	$ 2,586,929.36
The Contract Sum prior to this Change Order was	$ 46,930,981.36
The Contract Sum will be increased by this Change Order in the amount of	$ 381,088.06
The new Contract Sum including this Change Order will be	$ 47,312,069.42

The Contract Time will be increased by one hundred and forty-seven (147) days.
The date of Substantial Completion is now October 10, 2025.

NOT VALID UNTIL SIGNED BY THE ARCHITECT, CONTRACTOR AND OWNER.

Pond and Company	Kokolakis Contracting, Inc.	Greater Asheville Regional Airport Authority
ARCHITECT *(Firm name)*	**CONTRACTOR** *(Firm name)*	**OWNER** *(Firm name)*
SIGNATURE	**SIGNATURE**	**SIGNATURE**
Jared J. Reynolds, Project Manager	Bill Athanasoulis, Executive Vice President	Lew Bleiweis, President & CEO
PRINTED NAME AND TITLE	**PRINTED NAME AND TITLE**	**PRINTED NAME AND TITLE**
DATE	**DATE**	**DATE**

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User Notes: (3B9ADA54)

KOKOLAKIS CONTRACTING
FORGING RELATIONSHIPS ANOTHER 50 YEARS

integrity@jkokolakis.com
jkokolakis.com

September 11, 2025

Joshua Alexander, CCM
ATCT Project Manager – Parsons Transportation Group
146 Westfeldt Dr.
Fletcher, NC 28732

Project: Greater Asheville Regional Airport Authority ATCT & TRACON
Asheville, NC

SUBJECT: **Change Order Request (COR) #037 – 95% MC Dean Added Security Scope (CCD-004/4.1)**

Mr. Alexander,

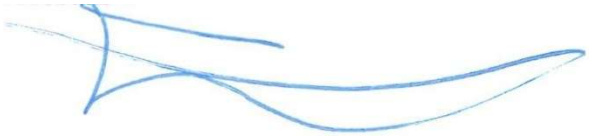
Kokolakis Contracting submits a lump sum proposal for the above referenced Change Order Request No. 37, for the sum of **$202,618.94**. Enclosed please find a detailed cost breakdown, summary of changes and back-up related to this change order, which to the best of our knowledge incorporates all adds/deducts associated with the abovementioned changes.

This proposal includes the costs associated with added security provisions included in the 95% MC Dean Security issuance, referenced in CCD-004 and CCD-004.1.

Kindly issue a change order to incorporate the revisions enclosed. Should you have any questions, please do not hesitate to contact me directly at (215) 410-6808.

Respectfully,

KOKOLAKIS CONTRACTING, INC.



Sean Thornton, P.E.
Project Manager
Cc: Field / File

COST PROPOSAL BREAKDOWN SHEET
KC-245- Asheville Regional Airport New ATCT & Base Building

OWNER RFP # **CCD-004**
KOKOLAKIS PROPOSAL # **COR #037**

TITLE **CCD-004 - 95% MC Dean Drawings - Rough-ins and Door/Hardware**

DATE **11-Sep-25**

Description of Work	Material Quantity	Unit Cost	Per	Total Material	Total Days	Daily Rate	Total Labor	Total Cost
CCD-004 - 95% MC Dean Drawings - Rough-ins and Door/Hardware								
Kokolakis Self Perform								
Kokolakis Extended General Conditions (14 Calendar Days)				-	14	5,193.30	72,706.20	72,706.20
Card Reader/Modifications to drywall/patching, touch-up finishes				-	8	912.00	7,296.00	7,296.00
				-			-	-
				-				
Sub-Total				**-**			**80,002.20**	**80,002.20**
Subcontracted								
BESCO Electrical Corp								
MC Dean Change Proposal (COP#21)				-			-	57,924.29
				-			-	-
Cook & Boardman								
95% MC Dean Cook & Boardman CO 7/16/25				-			-	35,882.55
Credit for Scope Adjustment				-			-	(2,220.40)
				-				
Sub-Total				**-**			**-**	**91,586.44**
TOTAL DIRECT COST								**171,588.64**
Kokolakis OH@	10.00%							9,888.24
Kokolakis Profit @	10.00%							18,147.69
Bond Rate	1.50%							2,994.37
TOTAL PROPOSAL								**202,618.94**

COST PROPOSAL BREAKDOWN SHEET
KC-245- Asheville Regional Airport New ATCT & Base Building

KOKOLAKIS CONTRACTING

OWNER RFP # CCD-004
KOKOLAKIS PROPOSAL # COR #037

TITLE CCD-004 / 004.1 - 95% MC Dean Drawings - Rough-ins and Door/Hardwae

DATE 15-Aug-25

SUPERSEDED

Description of Work		Material	Unit		Total Material	Total Days	Daily Rate	Total Labor	Total Cost
CCD-004 / 004.1 - 95% MC Dean Drawings - Rough-ins and Door/Hardware									
Kokolakis Self Perform									
Kokolakis Extended General Conditions (14 Calendar Days)					-	14	10,697.50	149,764.99	149,764.99
Card Reader/Modifications to drywall/patching, touch-up finishes					-	8	912.00	7,296.00	7,296.00
					-			-	-
					-				
Sub-Total					-			**157,060.99**	**157,060.99**
Subcontracted									
BESCO Electrical Corp									
MC Dean Change Proposal (COP#21)					-			-	57,924.29
					-			-	-
Cook & Boardman									
95% MC Dean Cook & Boardman CO 7/16/25								-	35,882.55
Credit for Scope Adjustment					-			-	(2,220.40)
					-				
Sub-Total					-			-	**91,586.44**
TOTAL DIRECT COST									**248,647.43**
Kokolakis OH@	10.00%								24,864.74
Subtract 'General Conditions' OH @	-10.00%								*(15,706.10)*
Kokolakis Profit @	10.00%								25,780.61
Bond Rate	1.50%								4,253.80
TOTAL PROPOSAL									**287,840.48**

BESCO ELECTRICAL

Contract Modification Cost Proposal

Control No. COP #21 **DATE:** 03/26/2025
Revision No.

PROJECT: 220027-FL (TOWER NEW ATCT-TRACON FAC AVL)

DESCRIPTION

Provide labor and material electrical raceway system installations associated with the MC Dean Security Drawings dated: 05/17/2023 project documentation.

Special Note: COP #21 excludes restoration or refinishing of the following installations and surfaces: concourse aprons, tarmac areas, runways, roadways, parking areas, walkways, curbing, drywall, block, stucco, concrete, ceiling, flooring, brick, asphalt, etc.

LABOR

Rates Effective 01/01/2025 - 12/31/2025	RATE	HOURS	
Estimated Manhours:	$68.00	389.66	$26,496.88
Estimated Manhours (Premium Labor)	$34.00	194.83	$6,624.22
		Labor Subtotal	$33,121.10
Project Management:	$107.00	40.00	$4,280.00
Estimator:	$118.00	8.00	$944.00
		Mgmt. Subtotal	$5,224.00
		TOTAL LABOR	$38,345.10

MATERIAL

Material Per Take-off:			$10,910.05
Miscellaneous Materials:		0.00%	$0.00
Quoted Material:			$0.00
Freight:			$0.00
SUBTOTAL			$10,910.05
T/O Mat'l Escalation	0.00%	1 Year	$0.00
State Sales Tax North Carolina		7.00%	$763.70
		TOTAL MATERIAL	$11,673.75

EQUIPMENT

Construction Equipment/Tools:	$2,000.00
Mobilization/Demobilization:	$0.00
TOTAL EQUIPMENT	$2,000.00

OTHER

	HOURS	
Other Costs:		$0.00
TOTAL OTHER COSTS		$0.00

BESCO ELECTRICAL

Contract Modification Cost Proposal

SUBTOTAL

SUBTOTAL DIRECT COSTS		$52,018.85
Overhead	5.00%	$2,600.94
Home Office Overhead	0.00%	$0.00
Corporate Insurances	0.00%	$0.00
Contingency	0.00%	$0.00
Profit	5.00%	$2,730.99
JOB SUBTOTAL (Minus Subcontracts)		$57,350.79

SUBCONTRACT

Subcontracts : None		$0.00
		$0.00
Subtotal Subcontract		$0.00
Subcontract Mark-Up:	10.00%	$0.00
TOTAL SUBCONTRACT		$0.00

JOB SUBTOTAL		$57,350.79
TOTAL SUBCONTRACT		$0.00
Bond Premium	1.00%	$573.51
TOTAL REQUESTED		**$57,924.29**

Submitted By: Frank Loth

Additional Time Required None

ATTACHMENTS

Labor and Material Take-off Documentation
Reference Documentation

NOTES

1. This Proposal also reflects the request for an additional 28 days of time on the contract to perform this scope of work.
2. This proposal will remain valid for sixty (60) days.

COP #21 - SEC RW SYS

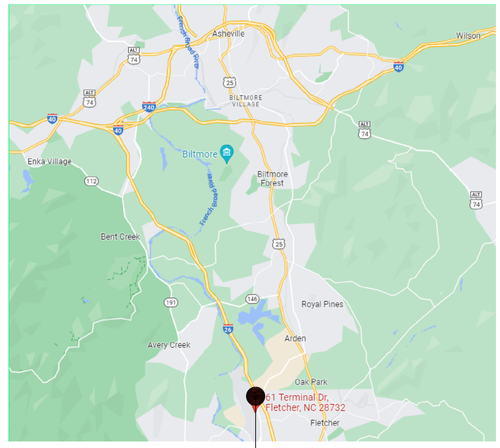
JOB 41 2025-TP: 2025-TP ES...
ESTIMATE 4 2200027-FL: NEW AT...
DATA SET 5 BESCO CI TSC/EST/...

BESCO Electrical
9829 Northcross Center Court
Suite D
Huntersville, NC 28078
(704) 892-4200 x105 / .
f.loth@bescoelectrical.com

PRINTED 3/26/2025 3:44:09 PM
MATERIAL Primary
LABOR Primary

NOTES

Item				Material	Labor
Size	Item Desc	Qty	UOM	Mat Ext	Lbr Ext
1"	EMT	2,300.00	FEET	7,705.00	161.0000
1"	EMT STL RT INS CONN	64.00	EACH	68.80	8.9600
1"	EMT STEEL COMP COUP	230.00	EACH	235.75	20.1250
1"	PLASTIC BUSHINGS	64.00	EACH	20.80	16.8000
1"	MINERALLAC STRAP	300.00	EACH	285.00	21.0000
1/4.	BEAM CLAMP-STEEL	370.00	EACH	740.00	97.1250
1/4X1-1/2	FENDER WASHER	70.00	EACH	8.75	0.1225
1/4-20	1 MACHINE SCREW	970.00	EACH	169.75	1.6975
1"	UNISTRUT STRAP	40.00	EACH	51.00	1.7500
1/4.	ALL THREAD ROD	600.00	FEET	705.00	21.0000
	10X10X4 HNG-CVR BOX	16.00	EACH	535.20	28.0000
	NYLON LINE	2,400.00	FEET	120.00	4.2000
12X12X4	WIREWAY	1.00	EACH	265.00	7.8750
Grand Totals				10,910.05	389.6550



61 TERMINAL DR. SUITE 2,
FLETCHER, NC 28732

ASHEVILLE ATCT–TRACON SECURITY SYSTEM DESIGN 95% DRAWING FINAL

SENSITIVE SECURITY INFORMATION

WARNING: THIS RECORD CONTAINS SENSITIVE SECURITY INFORMATION THAT IS CONTROLLED UNDER 49 CFR PARTS 15 AND 1520. NO PART OF THIS RECORD MAY BE DISCLOSED TO PERSONS WITHOUT A "NEED TO KNOW", AS DEFINED IN 49 CFR PARTS 15 AND 1520, EXCEPT WITH THE WRITTEN PERMISSION OF THE ADMINISTRATOR OF THE TRANSPORTATION SECURITY ADMINISTRATION OR THE SECRETARY OF TRANSPORTATION. UNAUTHORIZED RELEASE MAY RESULT IN CIVIL PENALTY OR OTHER ACTION. FOR U.S. GOVERNMENT AGENCIES, PUBLIC DISCLOSURE IS GOVERNED BY 5 U.S.C. 552 AND 49 CFR PARTS 15 AND 1520.

REV	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
–	05/17/23	95% DRAWING FINAL			
–	07/19/22	ISSUED FOR 95% DRAWING REVIEW			

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHERN REGION — ATLANTA, GA

ASHEVILLE ATCT–TRACON
SECURITY SYSTEM DESIGN
COVER PAGE

ASHEVILLE — AVL — NC

M.C. DEAN
BUILDING INTELLIGENCE
SECURITY AND ELECTRONIC SYSTEMS DIVISION
1765 GREENSBORO STATION PL.
TYSONS, VA 22102
TEL: 703-802-6231
WWW.MCDEAN.COM

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REVIEWED BY	SUBMITTED BY	APPROVED BY
	ANDREW MILHOLLIN	
	ALTERNATE TECHNICAL REPRESENTATIVE	
DESIGNED BY: A. VOGLER	ISSUED BY: M.C. DEAN, INC.	DATE: 05/17/2023 JCN
DRAWN BY: J. CUNNINGHAM		DRAWING NUMBER: AVL–D–ATCT–Y000 REV: –
CHECKED BY: S. MILLER		

DRAWING LIST				
SHEET NO.	DWG NO.	REV	DATE	TITLE
01	AVL–D–ATCT–Y000	–	05/17/2023	COVER PAGE
02	AVL–D–ATCT–Y001	–	05/17/2023	DRAWING LIST, SYMBOLS & ABBREVIATIONS
03	AVL–D–ATCT–Y100	–	05/17/2023	OVERALL SITE SECURITY DEVICE PLACEMENT
04	AVL–D–ATCT–Y101	–	05/17/2023	VEHICLE AND PEDESTRIAN GATES SECURITY DEVICE PLACEMENT
05	AVL–D–ATCT–Y102	–	05/17/2023	BASE BUILDING SECURITY DEVICE PLACEMENT
06	AVL–D–ATCT–Y103	–	05/17/2023	TOWER FLOORS 1, 2, 4, AND 5 SECURITY DEVICE PLACEMENT
07	AVL–D–ATCT–Y104	–	05/17/2023	TOWER FLOORS 6 AND 7 (CAB) SECURITY DEVICE PLACEMENT
08	AVL–D–ATCT–Y400	–	05/17/2023	HEAD END RACK ELEVATION (ER–132–01)
09	AVL–D–ATCT–Y401	–	05/17/2023	ACCESS CONTROL PANEL FIELD ELEVATION (ENC–132–01)
10	AVL–D–ATCT–Y402	–	05/17/2023	ACCESS CONTROL PANEL BOARD LAYOUT (ENC–132–01)
11	AVL–D–ATCT–Y403	–	05/17/2023	ACCESS CONTROL PANEL FIELD ELEVATION (ENC–T406–01)
12	AVL–D–ATCT–Y404	–	05/17/2023	ACCESS CONTROL PANEL BOARD LAYOUT (ENC–T406–01)
13	AVL–D–ATCT–Y405	–	05/17/2023	ACCESS CONTROL PANEL FIELD ELEVATION (ENC–GATE–01)
14	AVL–D–ATCT–Y406	–	05/17/2023	ACCESS CONTROL PANEL BOARD LAYOUT (ENC–GATE–01)
15	AVL–D–ATCT–Y450	–	05/17/2023	DOORS SD–01 AND SD–02 ELEVATIONS
16	AVL–D–ATCT–Y451	–	05/17/2023	DOORS DD–02 AND SD–05D ELEVATIONS
17	AVL–D–ATCT–Y452	–	05/17/2023	DOORS SD–21 AND SD–21 & VIC ELEVATIONS
18	AVL–D–ATCT–Y453	–	05/17/2023	DOORS DD–21 AND SD–28 ELEVATIONS
19	AVL–D–ATCT–Y454	–	05/17/2023	DD–28A AND DD–28A & VIC ELEVATIONS
20	AVL–D–ATCT–Y455	–	05/17/2023	DOOR RU–01 ELEVATION
21	AVL–D–ATCT–Y460	–	05/17/2023	PEDESTRIAN GATE G–32 AND PEDESTAL ELEVATIONS
22	AVL–D–ATCT–Y461	–	05/17/2023	VEHICLE GATE ENTRY PEDESTAL ELEVATION
23	AVL–D–ATCT–Y470	–	05/17/2023	INTERIOR AND EXTERIOR CAMERAS ELEVATIONS
24	AVL–D–ATCT–Y500	–	05/17/2023	HEAD END RACK WIRING DIAGRAM (ER–132–01)
25	AVL–D–ATCT–Y501	–	05/17/2023	LIFESAFETY POWER AND BATTERY WIRING (ENC–132–01)
26	AVL–D–ATCT–Y502	–	05/17/2023	LIFESAFETY POWER AND BATTERY WIRING (ENC–T406–01)
27	AVL–D–ATCT–Y503	–	05/17/2023	LIFESAFETY POWER AND BATTERY WIRING (ENC–GATE–01)
28	AVL–D–ATCT–Y511	–	05/17/2023	DOORS 130 & 131A WIRING DIAGRAMS
29	AVL–D–ATCT–Y512	–	05/17/2023	DOORS 133A & 134A WIRING DIAGRAMS
30	AVL–D–ATCT–Y513	–	05/17/2023	DOORS 138 & 141 WIRING DIAGRAMS
31	AVL–D–ATCT–Y514	–	05/17/2023	DOORS 106B & 137B WIRING DIAGRAMS
32	AVL–D–ATCT–Y515	–	05/17/2023	DOORS 139A & 140B WIRING DIAGRAMS
33	AVL–D–ATCT–Y516	–	05/17/2023	DOORS 101B AND 143A WIRING DIAGRAMS
34	AVL–D–ATCT–Y517	–	05/17/2023	DOOR L101 WIRING DIAGRAM
35	AVL–D–ATCT–Y518	–	05/17/2023	MONITOR DOORS WIRING DIAGRAMS
36	AVL–D–ATCT–Y519	–	05/17/2023	PACS ENCLOSURE ENC–132–01 POWER WIRING DIAGRAM
37	AVL–D–ATCT–Y520	–	05/17/2023	DOOR T400 AND T511B WIRING DIAGRAMS
38	AVL–D–ATCT–Y521	–	05/17/2023	DOORS T512 & T604 WIRING DIAGRAM
39	AVL–D–ATCT–Y522	–	05/17/2023	MONITOR DOORS & TAMPERS WIRING DIAGRAMS
40	AVL–D–ATCT–Y523	–	05/17/2023	PACS ENCLOSURE ENC–T406–01 POWER WIRING DIAGRAM
41	AVL–D–ATCT–Y524	–	05/17/2023	VEHICLE GATE WIRING DIAGRAM
42	AVL–D–ATCT–Y525	–	05/17/2023	PEDESTRIAN GATE WIRING DIAGRAM
43	AVL–D–ATCT–Y526	–	05/17/2023	PACS ENCLOSURE ENC–GATE–01 POWER WIRING DIAGRAM
44	AVL–D–ATCT–Y570	–	05/17/2023	NETWORK WIRING DIAGRAM
45	AVL–D–ATCT–Y575	–	05/17/2023	ACS & IDS MOUNTING DETAILS
46	AVL–D–ATCT–Y576	–	05/17/2023	ACS & IDS MOUNTING DETAILS
47	AVL–D–ATCT–Y577	–	05/17/2023	ACS & IDS MOUNTING DETAILS
48	AVL–D–ATCT–Y580	–	05/17/2023	SURGE PROTECTION DEVICES MOUNTING DETAILS
49	AVL–D–ATCT–Y585	–	05/17/2023	INTERCOM MOUNTING DETAILS
50	AVL–D–ATCT–Y590	–	05/17/2023	CCTV MOUNTING DETAILS
51	AVL–D–ATCT–Y595	–	05/17/2023	USER MONITORING MOUNTING DETAILS
52	AVL–D–ATCT–Y601	–	05/17/2023	RISER DIAGRAM
53	AVL–D–ATCT–Y602	–	05/17/2023	RISER DIAGRAM

SYMBOLS LEGEND

- ADO — AUTOMATIC DOOR OPENER (BY OTHERS)
- ADR — AUTOMATIC DOOR RELAY
- BAT — BATTERY, 12VDC
- BP — BATTERY PACK, UPS
- CAMERA, FIXED, INDOOR
- CAMERA, FIXED, OUTDOOR
- PTZ — PTZ CAMERA, OUTDOOR
- CP — CONTROL READER PANEL
- CPM — CONTROLLED POWER MODULE
- DPP — DOOR PUSH PLATE (BY OTHERS)
- ENC — ENCLOSURE (EQUIPMENT)
- ECR — ENROLLMENT CARD READER
- ER — EQUIPMENT RACK
- EXT — POE EXTENDER OR MIDSPAN
- FCC — FIBER CARD CAGE
- FTR — FIBER MEDIA CONVERTER
- GC — GATE CONTROLLER (BY OTHERS)
- ICM — INTERCOM MASTER STATION
- ICR — INTERCOM RELAY
- KVM — KEYBOARD/VIDEO/MOUSE
- LAN — LAN SWITCH
- LCR — LOGIN CARD READER
- MN" — MONITOR (MN = INCHES)
- NPM — NETWORKED POWER MONITOR
- PD — POWER DISTRIBUTION MODULE
- RIM — READER INTERFACE MODULE
- SP — SURGE PROTECTION
- SS — SURGE SUPPRESSOR (RJ–45)
- SVR — SERVER, VMS
- UPS — UNINTERRUPTIBLE POWER SUPPLY
- VD — VIDEO DECODER
- VIC — VIDEO INTERCOM STATION
- WF — WALL FIELD (TERMINAL BLOCKS)
- WS — WORKSTATION
- 12V — 12VDC POWER SUPPLY
- 24V — 24VDC POWER SUPPLY

DOOR SET SYMBOL LEGEND:

DOOR ID: DOOR_ID
DOOR TYPE: AA–NO X — HARDWARE SET

G–NO: GATES
RU–NO: ROLL–UP DOOR
SD–NO: SINGLE DOOR
DD–NO: DOUBLE DOOR

EXAMPLE:
DOOR A IN ROOM 022: 022A
DOOR TYPE: SD–21 1 — HARDWARE SET
SINGLE DOOR TYPE 21

G–32:
- CARD READER ENTRY
- ELECTRIFIED GATE LOCK W/ INTEGRATED POSITION MONITOR
- PUSH–TO–EXIT PUSH BUTTON

G–60:
- VEHICLE CARD READ ENTRY X2
- GATE CONTROLLER INTERFACE

RU–01:
- ROLL UP DOOR CONTACT

SD–01:
- DOOR CONTACT

SD–02:
- DOOR CONTACT
- PIR REX SENSOR

SD–05D:
- DOOR CONTACT
- EXIT DEVICE – DELAYED EGRESS
- POWER TRANSFER HINGE/CORD

SD–21:
- CARD READER ENTRY
- DOOR CONTACT
- ELECTRIFIED LOCK W/ INTERNAL REX
- POWER TRANSFER HINGE/CORD

SD–28:
- CARD READER ENTRY
- DOOR CONTACT
- LOW CURRENT (QEL) LATCH RETRACTION LOCK W/ INTERNAL REX
- POWER TRANSFER HINGE/CORD

DD–02:
- DOOR CONTACTS X2
- PIR REX SENSOR

DD–21:
- CARD READER ENTRY
- DOOR CONTACTS X2
- ELECTRIFIED LOCK W/ INTERNAL REX
- POWER TRANSFER HINGE/CORD

DD–28A:
- CARD READER ENTRY
- DOOR CONTACTS X2
- QUIET (LOW CURRENT) LATCH RETRACTION LOCK X2 W/ INTERNAL REX
- POWER TRANSFER HINGE/CORD X2

ABBREVIATIONS

AC	ALTERNATING CURRENT
ACP	ACCESS CONTROL PANEL
ADO	AUTOMATIC DOOR OPERATOR
AFF	ABOVE FINISHED FLOOR
AWG	AMERICAN WIRE GAUGE
ATCT	AIR TRAFFIC CONTROL TOWER
BLK	BLACK
BLU	BLUE
BRN	BROWN
CAT6	CATEGORY 6
COM	COMMON
CP	CONTROL PANEL
DC	DOOR CONTACT
DPP	DOOR PUSH PLATE [ACTUATOR]
EL	ELECTRIFIED LOCK [MORTISE, CYLINDRICAL, ETC.]
ELR	ELECTRIC LATCH RETRACTION LOCK
EMT	ELECTRICAL METALLIC CONDUIT
ES	ELECTRIC STRIKE
EQPM	EQUIPMENT
EXD	EXIT DEVICE [DOOR HARDWARE]
EXD(D)	EXIT DEVICE (DELAYED)
FAA	FEDERAL AVIATION ADMINISTRATION
FT	FOOT OR FEET
GC	GATE CONTROLLER
GRC	GALVANIZED RIGID CONDUIT
GRN	GREEN
GRND	GROUND
GRY	GRAY
IN	INCH OR INCHES
IP	INTERNET PROTOCOL
I/O	INPUT/OUTPUT
KVM	KEYBOARD, VIDEO AND MOUSE
LA	LOCAL ANNUNCIATOR
LAN	LOCAL AREA NETWORK
LR	LONG RANGE
MFR	MANUFACTURER
MM	MULTIMODE
NC	NORMALLY CLOSED
NO	NORMALLY OPENED
NVR	NETWORK VIDEO RECORDER
OM	OPTICAL MULTIMODE
ORG	ORANGE
PACS	PHYSICAL ACCESS CONTROL SYSTEM
PIR	PASSIVE INFRARED
POE	POWER OVER ETHERNET
PS	POWER SUPPLY
PTC	POWER TRANSFER CABLE
PTE	PUSH TO EXIT
PTH	POWER TRANSFER HINGE
PTZ	PAN, TILT AND ZOOM
PVC	POLYVINYL CHRORIDE
QEL	QUIET LATCH RETRACTION
R	READER
REX	REQUEST TO EXIT
RIM	READER INTERFACE MODULE
RM	ROOM
RU	RACK UNIT
SPD	SURGE PROTECTION DEVICE
SQ	SQUARE
SSE	SURGE SUPPRESSION EQUIPMENT
STR	STRAND
SVR	SERVER
SYM	SYMBOL
TBD	TO BE DETERMINED
TYP	TYPICAL
UNS	UNSHIELDED
UPS	UNINTERRUPTIBLE POWER SUPPLY
UTP	UNSHIELDED TWISTED PAIR
VAC	VOLTS ALTERNATING CURRENT
VDC	VOLTS DIRECT CURRENT
VIO	VIOLET
VMS	VIDEO MANAGEMENT SYSTEM
WHT	WHITE
YEL	YELLOW

DEVICE ID DETAILS

ROOM NUMBER
XXX–RNUM–NO
DEVICE DESIGNATOR
DEVICE NUMBER

SENSITIVE SECURITY INFORMATION
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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHERN REGION — ATLANTA, GA

ASHEVILLE ATCT–TRACON
SECURITY SYSTEM DESIGN
DRAWING LIST, SYMBOLS & ABBREVIATIONS

ASHEVILLE — AVL — NC

MC DEAN BUILDING INTELLIGENCE SECURITY AND ELECTRONIC SYSTEMS DIVISION
1765 GREENSBORO STATION PL.
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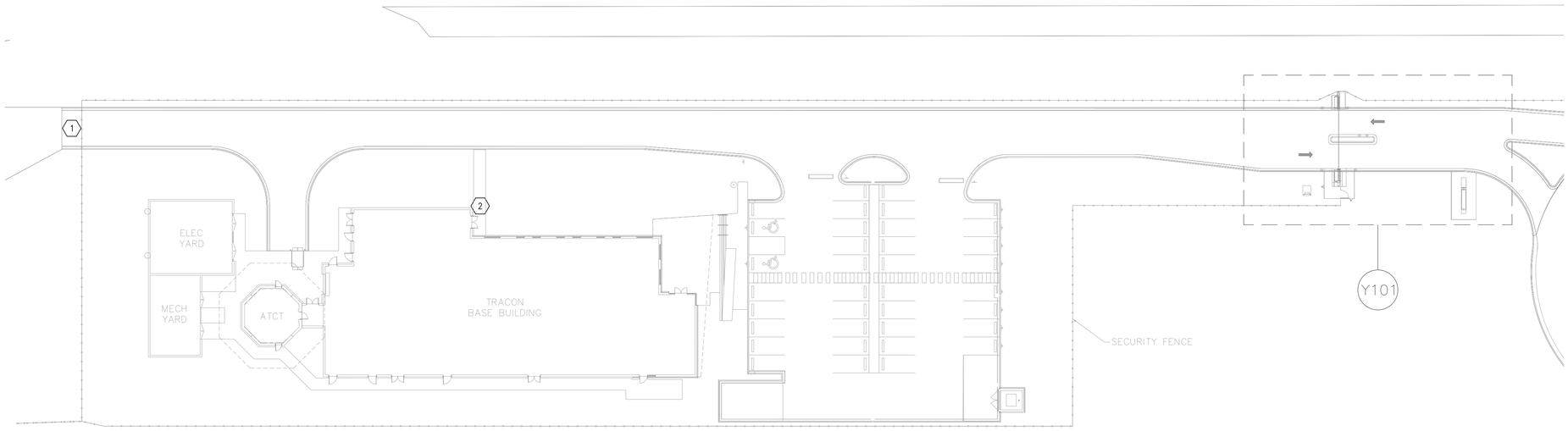
REVIEWED BY	SUBMITTED BY: ANDREW MILHOLLIN		APPROVED BY
	ALTERNATE TECHNICAL REPRESENTATIVE		
	DESIGNED BY: A. VOGLER	ISSUED BY: M.C. DEAN, INC.	DATE: 05/17/2023 JCN
	DRAWN BY: J. CUNNINGHAM		DRAWING NUMBER: AVL–D–ATCT–Y001 REV: –
	CHECKED BY: S. MILLER		

GENERAL NOTES:

1. CONDUIT IS PROVIDED AND INSTALLED BY THE GENERAL CONTRACTOR. IT IS THE RESPONSIBILITY OF THE MC DEAN SUBCONTRACTOR TO VERIFY ALL CONDUIT PATHWAYS DURING THE SITE WALK. MC DEAN SUBCONTRACTOR SHALL PROVIDE A COMPLETE RACEWAY.
2. SECURITY FENCE, CONCRETE PADS, PEDESTRIAN GATE, VEHICLE GATE, AND GATE CONTROLLER INSTALLATION BY OTHERS.
3. CAMERA SURGE SUPPRESSORS TO BE LOCATED ON INTERIOR NEAR THE BUILDING ENTRY POINT. INSTALL SURGE SUPPRESSORS IN JUNCTION BOX (COORDINATE THE LOCATION IN FIELD).
4. ALL CABLING AND WIRING IS PROVIDED AND INSTALLED BY MC DEAN ELECTRICAL SUBCONTRACTOR, UNLESS OTHERWISE NOTED.

KEYNOTES:

1. SECONDARY GATE TO BE MANUALLY SECURED AND NOT INCLUDED IN SECURITY SCOPE.
2. LOCATION OF PTZ CAMERA C2-GATE-EXT MONITORING VEHICLE GATE. SEE SHEET Y102 FOR DETAILS.



SCALE: 1/32"=1'-0" 32' 16' 0 32' 64'

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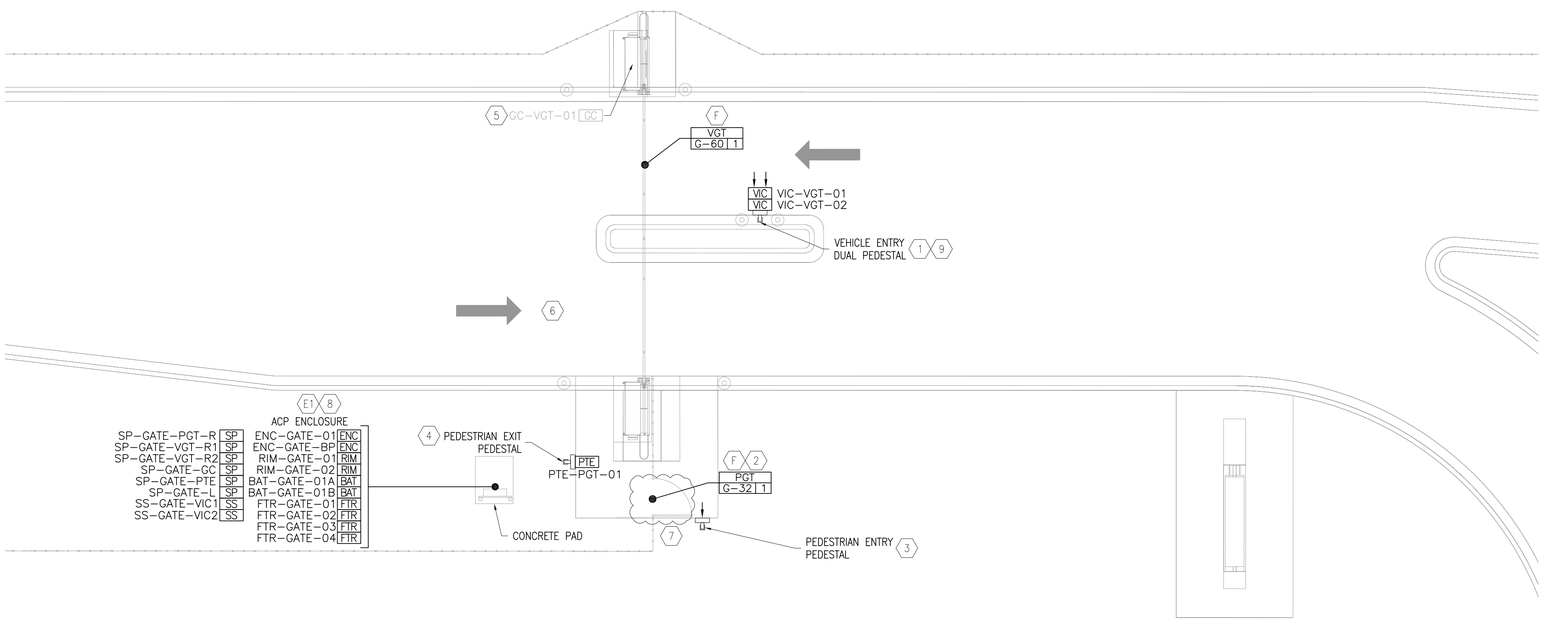
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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHERN REGION — ATLANTA, GA

ASHEVILLE ATCT-TRACON
SECURITY SYSTEM DESIGN
OVERALL SITE SECURITY DEVICE PLACEMENT

ASHEVILLE — AVL — NC

REVIEWED BY	SUBMITTED BY	APPROVED BY
	ANDREW MILHOLLIN	
	ALTERNATE TECHNICAL REPRESENTATIVE	
DESIGNED BY: A. VOGLER	ISSUED BY: M.C. DEAN, INC.	DATE: 05/17/2023 JCN:
DRAWN BY: J. CUNNINGHAM		DRAWING NUMBER: AVL-D-ATCT-Y100 REV: –
CHECKED BY: S. MILLER		



GENERAL NOTES:

1. CONDUIT IS PROVIDED AND INSTALLED BY THE GENERAL CONTRACTOR. IT IS THE RESPONSIBILITY OF THE MC DEAN SUBCONTRACTOR TO VERIFY ALL CONDUIT PATHWAYS DURING THE SITE WALK. MC DEAN SUBCONTRACTOR SHALL PROVIDE A COMPLETE RACEWAY.
2. SECURITY FENCE, CONCRETE PADS, BOLLARDS, PEDESTRIAN GATE, VEHICLE GATE, AND GATE CONTROLLER INSTALLATION BY OTHERS.
3. FOR GATE AND PEDESTAL ELEVATIONS REFER TO SHEETS Y460–Y461. MC DEAN TO INSTALL VEHICLE AND PEDESTRIAN GATE PEDESTALS.
4. ALL CABLING AND WIRING IS PROVIDED AND INSTALLED BY MC DEAN ELECTRICAL SUBCONTRACTOR, UNLESS OTHERWISE NOTED.

KEYNOTES:

- (F) FICAM ENABLED READER.
- (1) VEHICLE ENTRY DUAL PEDESTAL: ENTRY BY CARD READER AT LOWER AND UPPER HOUSING, AND VIDEO INTERCOM STATION AT LOWER AND UPPER HOUSINGS. GC TO PROVIDE TWO 1" CONDUITS WITH PULLWIRE FROM ACP ENCLOSURE TO PEDESTAL FOR SECURITY EQUIPMENT. (REFER TO DETAIL 1 ON SHEET Y461 FOR ADDITIONAL DETAILS).
- (2) PEDESTRIAN GATE: GC TO PROVIDE A SINGLE 1" CONDUIT FROM ACP ENCLOSURE WITH PULLWIRE FOR SECURITY LOCK ON SECURE SIDE AND LATCH SIDE OF THE GATE. (REFER TO DETAIL 1 ON SHEET Y460 FOR ADDITIONAL DETAILS.
- (3) PEDESTRIAN ENTRY PEDESTAL: ENTRY BY CARD READER. GC TO PROVIDE ONE 1" CONDUIT FROM ACP ENCLOSURE WITH PULLWIRE TO PEDESTAL FOR CARD READER. (REFER TO DETAIL 2 ON SHEET Y460 FOR ADDITIONAL DETAILS).
- (4) PEDESTRIAN EXIT PEDESTAL: EXIT BY PUSH BUTTON. GC TO PROVIDE ONE 1" CONDUIT FROM ACP ENCLOSURE WITH PULLWIRE TO PEDESTAL FOR PUSH TO EXIT BUTTON. (REFER TO DETAIL 3 ON SHEET Y460 FOR ADDITIONAL DETAILS).
- (5) GATE CONTROLLERS ARE PROVIDED WITH GATE BY GC. GC TO PROVIDE ONE 1" CONDUIT FROM ENTRY GATE CONTROLLER TO ACP ENCLOSURE WITH PULLWIRE FOR SECURITY INTEGRATION.
- (6) FREE EXIT GRANTED UPON GROUND LOOP DETECTION.
- (7) GATE MUST SWING INTO UNSECURE SPACE TO ALLOW FOR ACCESS TO KEY OVERRIDE. GATE SHALL HAVE MECHANICAL GATE CLOSER.
- (8) ACP ENCLOSURE: GC TO PROVIDE THREE 1" CONDUIT WITH PULLWIRE FROM BASE BUILDING HEAD END ROOM 132.
- (9) BOLLARDS INSTALLED BY OTHERS TO PROTECT PEDESTAL.

ELECTRICAL KEYNOTES:

- (E1) CONNECT ONE (1) DEDICATED 120VAC POWER CIRCUIT –ON ESSENTIAL POWER– FROM BASE BUILDING AREA BRANCH PANEL.

DOOR SET SYMBOL LEGEND:

NOTE: ARROWS DEPICT LOCATION OF CARD READER INSTALLATION ON READER DOORS

G–60:
- VEHICLE ENTRY CARD READER ENTRY X2
- GATE CONTROLLER INTERFACE

G–32:
- CARD READER ENTRY
- ELECTRIFIED GATE LOCK W/ INTEGRATED POSITION MONITOR
- PUSH–TO–EXIT PUSH BUTTON

SENSITIVE SECURITY INFORMATION

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHERN REGION — ATLANTA, GA

ASHEVILLE ATCT–TRACON
SECURITY SYSTEM DESIGN
VEHICLE AND PEDESTRIAN GATES SECURITY DEVICE PLACEMENT

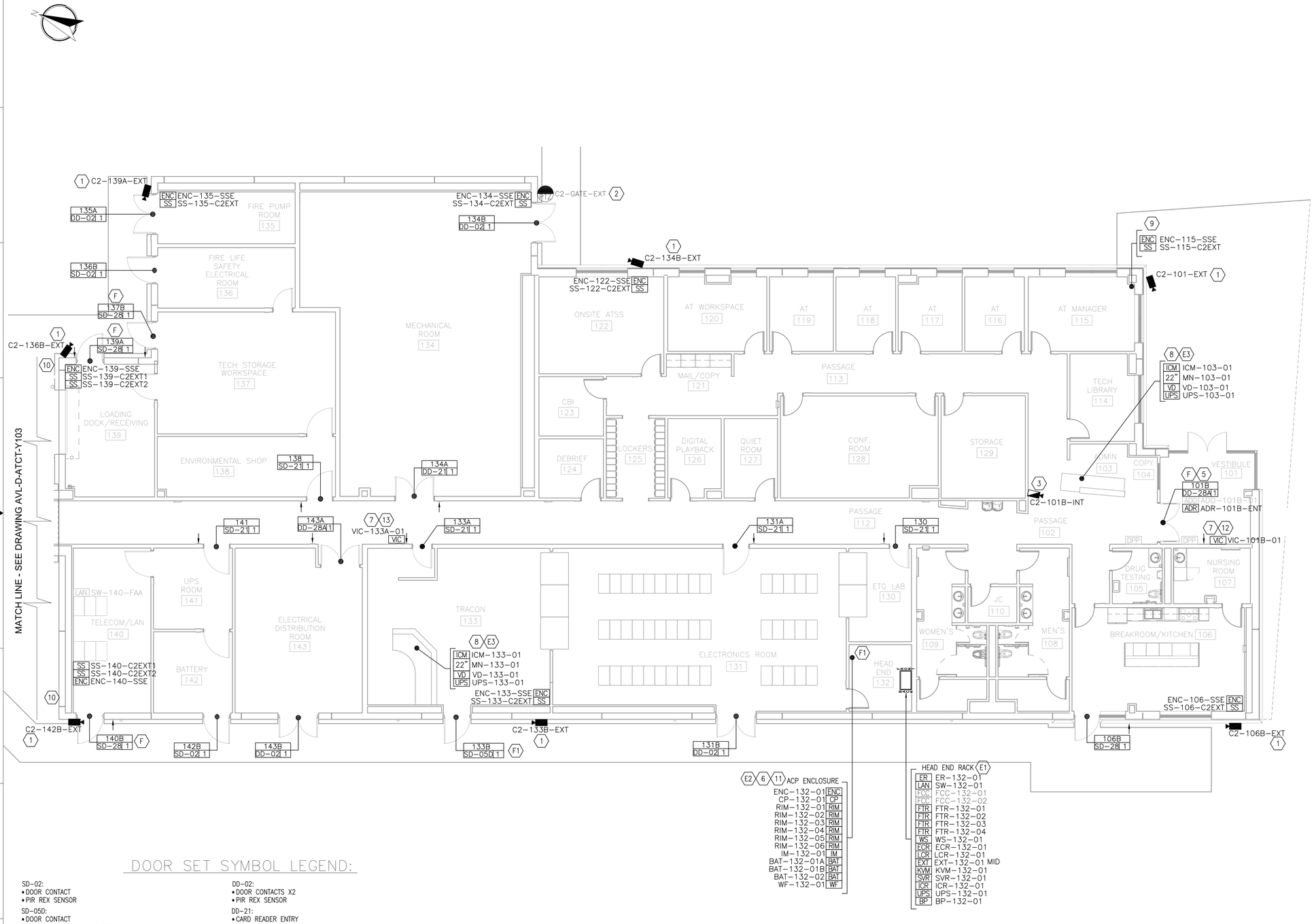
ASHEVILLE — AVL — NC

SCALE: 1/8"=1'–0" (8' 4' 0 8' 16')

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REVIEWED BY	SUBMITTED BY	APPROVED BY
	ANDREW MILHOLLIN	
	ALTERNATE TECHNICAL REPRESENTATIVE	
	DESIGNED BY A. VOGLER — ISSUED BY M.C. DEAN, INC. — DATE 05/17/2023 — JCN	
	DRAWN BY J. CUNNINGHAM	DRAWING NUMBER AVL–D–ATCT–Y101 — REV –
	CHECKED BY S. MILLER	



GENERAL NOTES:

1. CONDUIT IS PROVIDED AND INSTALLED BY THE GENERAL CONTRACTOR. IT IS THE RESPONSIBILITY OF THE MC DEAN SUBCONTRACTOR TO VERIFY ALL CONDUIT PATHWAYS DURING THE SITE WALK. MC DEAN SUBCONTRACTOR SHALL PROVIDE A COMPLETE RACEWAY.
2. CAMERA SURGE SUPPRESSORS TO BE LOCATED ON INTERIOR NEAR THE BUILDING ENTRY POINT. INSTALL SURGE SUPPRESSORS IN JUNCTION BOX (COORDINATE THE LOCATION IN FIELD).
3. FOR DOOR ELEVATIONS REFER TO SHEETS Y450–Y459 SERIES.
4. GENERAL CONTRACTOR IS RESPONSIBLE FOR DOOR HARDWARE, ELECTRIFIED LOCKING HARDWARE, POWER TRANSFER HINGES, AND DOOR CONTACTS. MC DEAN IS RESPONSIBLE FOR ALL CARD READERS AND REQUEST–TO–EXIT DEVICES.
5. ALL CABLING AND WIRING IS PROVIDED AND INSTALLED BY MC DEAN ELECTRICAL SUBCONTRACTOR, UNLESS OTHERWISE NOTED.

KEYNOTES:

- (F) FICAM ENABLED READER.
- (1) INSTALL NEW IP DOME TYPE CAMERAS WALL PENDANT MOUNTED TO EXTERIOR OF THE BUILDING AT 9'–6" HEIGHT A.F.G. AND BELOW ANY CANOPY OR OBSTRUCTION (REFER TO ELEVATION ON Y470, DETAIL 1, AND MC DEAN MOUNTING ON Y590, DETAIL 1).
- (2) INSTALL NEW IP DOME TYPE PTZ CAMERA WALL PENDANT MOUNTED TO EXTERIOR OF THE BUILDING AT 15' HEIGHT A.F.G (REFER TO ELEVATION ON Y470, DETAIL 2, AND MC DEAN MOUNTING ON Y590, DETAIL 4).
- (3) INSTALL NEW WALL MOUNTED IP DOME TYPE CAMERA. (REFER TO ELEVATION ON Y470, DETAIL 3, AND MC DEAN MOUNTING ON Y590, DETAIL 3).
- (4) LOCATION OF LONG RANGE EXTERIOR CAMERA C2–VGT–EXT MONITORING VEHICLE GATE.
- (5) GENERAL CONTRACTOR TO INSTALL AUTOMATIC DOOR OPERATOR (ADO) ON INTERIOR VESTIBULE DOOR 101B AND CONDUIT FROM SECURITY DOOR JUNCTION BOX TO ADO. DOOR WILL OPEN AUTOMATICALLY WITH VALID CREDENTIALS AND ACTIVATION OF THE ENTRY DOOR PUSH PLATE (DPP). ADO ENTRY DPP AND EXIT DPP SHALL ACTIVATE ADO INDEPENDENTLY. REFER TO WIRING DIAGRAM Y516.
- (6) GENERAL CONTRACTOR TO TERMINATE CONDUIT FOR ALL SECURITY DEVICES ON FIRST FLOOR OF BASE BUILDING AND LINK AT HEAD END ROOM 132 CABLING TROUGH.
- (7) INSTALL NEW POE VIDEO INTERCOM DOOR STATION ON WALL NEAR LOCATION SHOWN. (REFER TO MOUNTING DETAIL 1 ON SHEET Y585 FOR ADDITIONAL DETAILS.)
- (8) COORDINATE EXACT LOCATION WITH END USER DURING INSTALLATION. GC TO PROVIDE SINGLE 1" CONDUIT WITH PULLWIRE TO HEAD END 132.
- (9) SURGE PROTECTION EQUIPMENT FOR CAMERA C2–GATE–EXT.
- (10) CAMERA C2–L101–EXT AND C2–T102B–EXT SHOWN ON Y103.
- (11) GENERAL CONTRACTOR TO PROVIDE CABLING TROUGH ABOVE ACP ENCLOSURE 92" ABOVE FINISHED FLOOR TO BOTTOM OF TROUGH. TERMINATE ALL CONDUIT TO CABLING TROUGH.
- (12) VIDEO DOOR STATION TO CALL INTERCOM MASTER STATION IN ADMIN 103. IF CALL IS UNANSWERED, ROLLOVER TO INTERCOM MASTER STATION IN CAB T700.
- (13) VIDEO DOOR STATION TO CALL INTERCOM MASTER STATION IN TRACON 133. IF CALL IS UNANSWERED, ROLLOVER TO INTERCOM MASTER STATION IN CAB T700.

ELECTRICAL KEYNOTES:

- (E1) GENERAL CONTRACTOR TO PROVIDE DEDICATED 120VAC POWER CIRCUIT ABOVE EQUIPMENT CABINET –ON ESSENTIAL POWER– TERMINATED ON NEMA5–20R FROM AREA BRANCH PANEL.
- (E2) GENERAL CONTRACTOR TO PROVIDE DEDICATED 120VAC POWER CIRCUIT –ON ESSENTIAL POWER– FROM AREA BRANCH PANEL TO JUNCTION BOX. SEE SHEET Y401 KEYNOTE E1.
- (E3) GENERAL CONTRACTOR TO PROVIDE 120 VAC DUPLEX OUTLET –ON ESSENTIAL POWER– BELOW DESK.

FIRE ALARM KEYNOTES:

- (F1) FIRE GENERAL ALARM RELAY BY OTHERS.

DOOR SET SYMBOL LEGEND:

SD–02:
- DOOR CONTACT
- PIR REX SENSOR

SD–05D:
- DOOR CONTACT
- EXIT DEVICE – DELAYED EGRESS
- POWER TRANSFER HINGE/CORD

SD–21:
- CARD READER ENTRY
- DOOR CONTACT
- ELECTRIFIED LOCK W/ INTERNAL REX
- POWER TRANSFER HINGE/CORD

SD–28:
- CARD READER ENTRY
- DOOR CONTACT
- LOW CURRENT (QEL) LATCH RETRACTION LOCK W/ INTERNAL REX
- POWER TRANSFER HINGE/CORD

DD–02:
- DOOR CONTACTS X2
- PIR REX SENSOR

DD–21:
- CARD READER ENTRY
- DOOR CONTACTS X2
- ELECTRIFIED LOCK W/ INTERNAL REX
- POWER TRANSFER HINGE/CORD

DD–28A:
- CARD READER ENTRY
- DOOR CONTACTS X2
- QUIET (LOW CURRENT) LATCH RETRACTION LOCK X2 W/ INTERNAL REX
- POWER TRANSFER HINGE/CORD X2

SCALE: 1/8"=1'–0" 8' 4' 0 8' 16'

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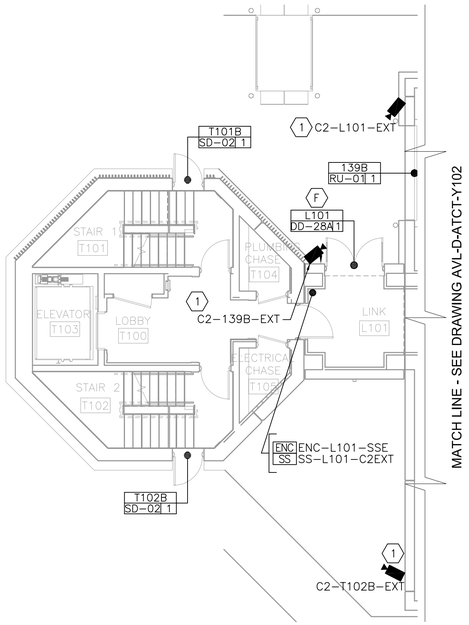
REV	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHERN REGION ATLANTA, GA

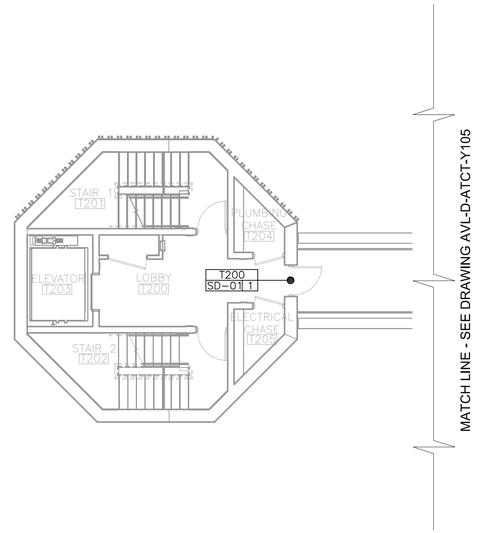
ASHEVILLE ATCT–TRACON
SECURITY SYSTEM DESIGN
BASE BUILDING SECURITY DEVICE PLACEMENT

ASHEVILLE AVL NC

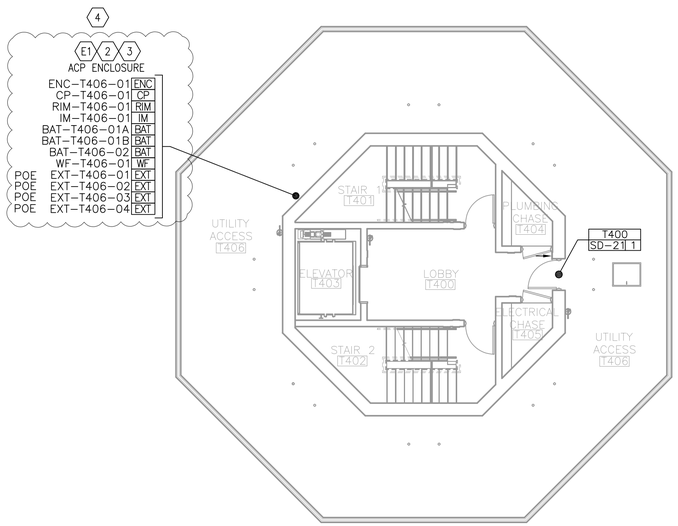
REVIEWED BY	SUBMITTED BY	APPROVED BY
	ANDREW MILHOLLIN	
	ALTERNATE TECHNICAL REPRESENTATIVE	
DESIGNED BY A. VOGLER	ISSUED BY M.C. DEAN, INC.	DATE 05/17/2023 JCN
DRAWN BY J. CUNNINGHAM		DRAWING NUMBER AVL–D–ATCT–Y102 REV –
CHECKED BY S. MILLER		



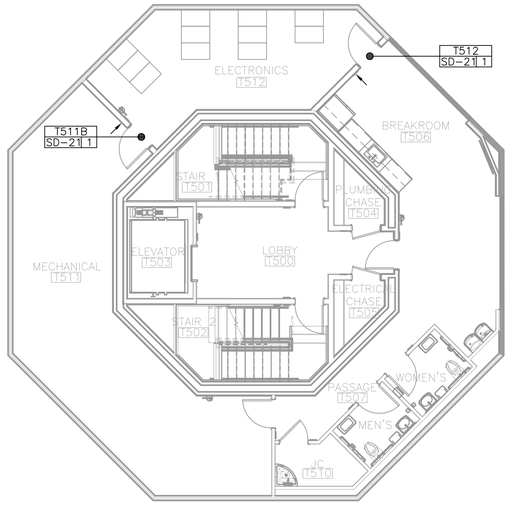
1 TOWER 1ST FLOOR AND LINK
SCALE: 1/8" = 1' 0"



2 TOWER 2ND FLOOR
SCALE: 1/8" = 1' 0"



3 TOWER 4TH FLOOR
SCALE: 1/8" = 1' 0"



4 TOWER 5TH FLOOR
SCALE: 1/8" = 1' 0"

GENERAL NOTES:

1. CONDUIT IS PROVIDED AND INSTALLED BY THE GENERAL CONTRACTOR. IT IS THE RESPONSIBILITY OF THE MC DEAN SUBCONTRACTOR TO VERIFY ALL CONDUIT PATHWAYS DURING THE SITE WALK. MC DEAN SUBCONTRACTOR SHALL PROVIDE A COMPLETE RACEWAY.
2. FOR DOOR ELEVATIONS REFER TO SHEETS Y450–Y459 SERIES.
3. GENERAL CONTRACTOR IS RESPONSIBLE FOR DOOR HARDWARE, ELECTRIFIED LOCKING HARDWARE, POWER TRANSFER HINGES, AND DOOR CONTACTS. MC DEAN IS RESPONSIBLE FOR ALL CARD READERS AND REQUEST–TO–EXIT DEVICES.
4. ALL CABLING AND WIRING IS PROVIDED AND INSTALLED BY MC DEAN ELECTRICAL SUBCONTRACTOR, UNLESS OTHERWISE NOTED.

KEYNOTES:

- (F) FICAM ENABLED READER.
- (1) INSTALL NEW IP DOME TYPE CAMERAS WALL PENDANT MOUNTED TO EXTERIOR OF THE BUILDING AT 9'–6" HEIGHT A.F.G. AND BELOW ANY CANOPY OR OBSTRUCTION (REFER TO ELEVATION ON Y470, DETAIL 1, AND MC DEAN MOUNTING ON Y590, DETAIL 1).
- (2) GENERAL CONTRACTOR TO PROVIDE CABLING TROUGH ABOVE ACP ENCLOSURE ENC–T406–01 90" ABOVE FINISHED FLOOR TO BOTTOM OF TROUGH.
- (3) GENERAL CONTRACTOR TO TERMINATE CONDUIT FOR ALL DOOR DEVICES ON TOWER FLOORS ALL TOWER FLOORS AT CABLING TROUGH ABOVE ENC–T406–01. GENERAL CONTRACTOR TO RUN TWO 1" CONDUITS FROM CABLING TROUGH TO HEAD END ROOM 132.
- (4) COORDINATE FINAL LOCATION OF TOWER ACP ENCLOSURE.

ELECTRICAL KEYNOTES:

- (E1) GENERAL CONTRACTOR TO PROVIDE DEDICATED 120VAC POWER CIRCUIT –ON GENERATOR BACKUP– FROM AREA BRANCH PANEL WIRED DIRECTLY TO THE AC INPUTS OF THE INTERNAL POWER SUPPLIES.

DOOR SET SYMBOL LEGEND:

RU–01:
- ROLL UP DOOR CONTACT

SD–01:
- DOOR CONTACT

SD–02:
- DOOR CONTACT
- PIR REX SENSOR

SD–21:
- CARD READER ENTRY
- DOOR CONTACT
- ELECTRIFIED LOCK W/ INTERNAL REX
- POWER TRANSFER HINGE/CORD

DD–28A:
- CARD READER ENTRY
- DOOR CONTACTS X2
- QUIET (LOW CURRENT) LATCH RETRACTION LOCK X2 W/ INTERNAL REX
- POWER TRANSFER HINGE/CORD X2

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHERN REGION — ATLANTA, GA

ASHEVILLE ATCT–TRACON
SECURITY SYSTEM DESIGN
TOWER FLOORS 1, 2, 4, AND 5 SECURITY DEVICE PLACEMENT

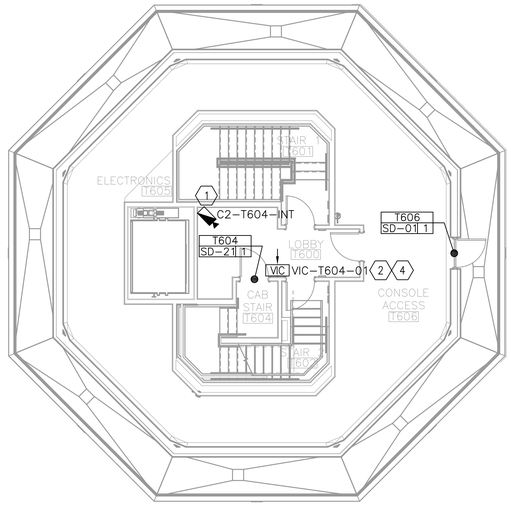
ASHEVILLE — AVL — NC

SCALE: 1/8"=1'–0" 8' 4' 0 8' 16'

MC DEAN BUILDING INTELLIGENCE
SECURITY AND ELECTRONIC SYSTEMS DIVISION
1765 GREENSBORO STATION PL.
TYSONS, VA 22102
TEL: 703–902–6231
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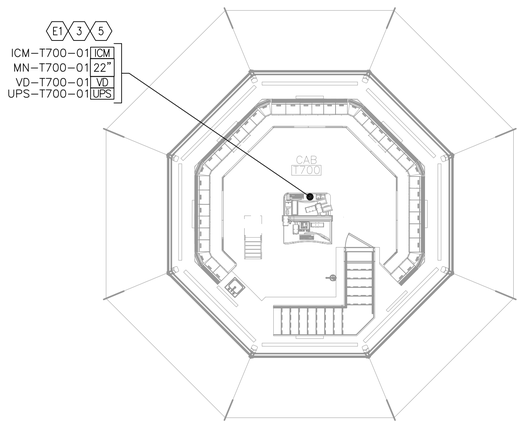
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REVIEWED BY	
SUBMITTED BY	ANDREW MILHOLLIN, ALTERNATE TECHNICAL REPRESENTATIVE
APPROVED BY	
DESIGNED BY	A. VOGLER
DRAWN BY	J. CUNNINGHAM
CHECKED BY	S. MILLER
ISSUED BY	M.C. DEAN, INC.
DATE	05/17/2023
JCN	
DRAWING NUMBER	AVL–D–ATCT–Y103
REV	–



1 TOWER 6TH FLOOR (CONSOLE ACCESS)

SCALE: 1/8" = 1' 0"



2 TOWER 7TH FLOOR (CAB)

SCALE: 1/8" = 1' 0"

GENERAL NOTES:

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2. FOR DOOR ELEVATIONS REFER TO SHEETS Y450-Y459 SERIES.
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4. ALL CABLING AND WIRING IS PROVIDED AND INSTALLED BY MC DEAN ELECTRICAL SUBCONTRACTOR, UNLESS OTHERWISE NOTED.

KEYNOTES:

1. INSTALL NEW CEILING MOUNTED IP DOME TYPE CAMERA. (REFER TO ELEVATION ON Y470, DETAIL 4, AND MC DEAN MOUNTING ON Y590, DETAIL 2). GC TO PROVIDE SIGNLE 1" CONDUIT WITH PULLWIRE TO CABLING TROUGH IN T406.
2. NEW POE VIDEO INTERCOM DOOR STATION TO BE INSTALLED ON THE WALL NEAR LOCATION SHOWN. (REFER TO MOUNTING DETAIL 1 ON SHEET Y585 FOR ADDITIONAL DETAILS.)
3. INSTALL AT SUPERVISOR'S DESK. COORDINATE EXACT LOCATION WITH END USER DURING INSTALLATION. GC TO PROVIDE ONE 1" CONDUIT WITH PULLWIRE TO CABLING TROUGH IN T406.
4. VIDEO DOOR STATION TO CALL INTERCOM MASTER STATION IN CAB T700.
5. INTERCOM MASTER STATION TO RECEIVE PRIMARY CALLS FROM VIDEO DOOR STATION AT CAB STAIR T604. ROLLOVER CALLS WILL BE ROUTED FROM VIDEO DOOR STATIONS AT VESTIBULE 101 AND TRACON 133 IF INITIALLY UNANSWERED.

ELECTRICAL KEYNOTES:

E1. 120 VAC DUPLEX OUTLET PROVIDED BY OTHERS.

DOOR SET SYMBOL LEGEND:

SD-01:
- DOOR CONTACT

SD-21:
- CARD READER ENTRY
- DOOR CONTACT
- ELECTRIFIED LOCK W/ INTERNAL REX
- POWER TRANSFER HINGE/CORD

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHERN REGION — ATLANTA, GA

ASHEVILLE ATCT-TRACON
SECURITY SYSTEM DESIGN
TOWER FLOORS 6 AND 7 (CAB) SECURITY DEVICE PLACEMENT

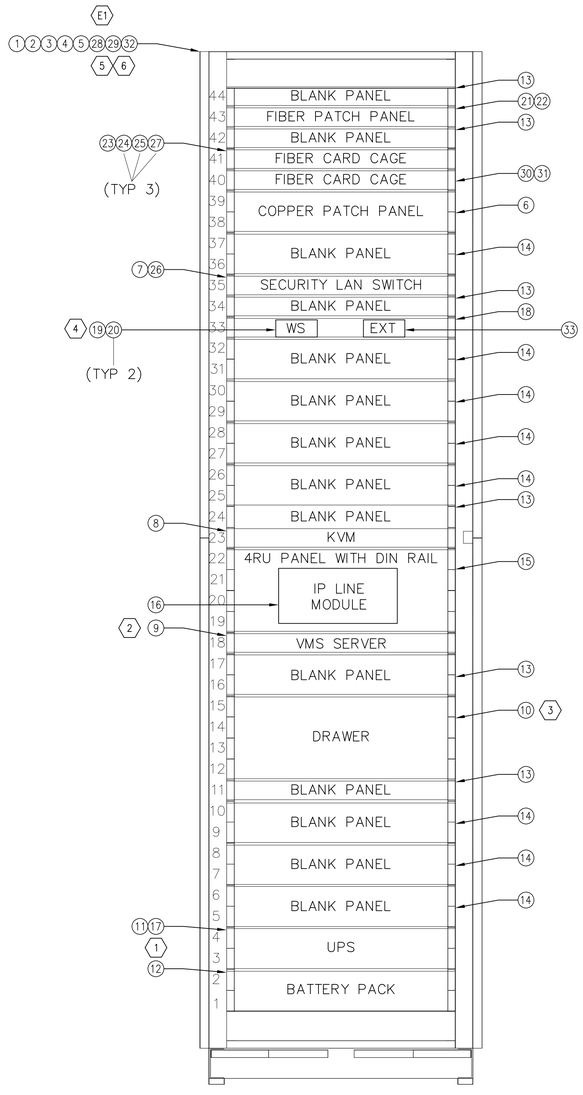
ASHEVILLE — AVL — NC

SCALE: 1/8"=1'-0" 8' 4' 0 8' 16'

M.C. DEAN BUILDING INTELLIGENCE SECURITY AND ELECTRONIC SYSTEMS DIVISION
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		ANDREW MILHOLLIN	
		ALTERNATE TECHNICAL REPRESENTATIVE	
		DESIGNED BY: A. VOGLER — ISSUED BY: M.C. DEAN, INC.	DATE: 05/17/2023 JCN
		DRAWN BY: J. CUNNINGHAM	DRAWING NUMBER: AVL-D-ATCT-Y104 REV: –
		CHECKED BY: S. MILLER	



1 ER-132-01
HEAD END RACK ELEVATION
SCALE: NOT TO SCALE

(1) EQUIPMENT CABINET – MIDDLE ATLANTIC MRK-4436PROLRD – 2100124
(2) VENTED FRONT DOOR – MIDDLE ATLANTIC VFD-44 – 2100125
(3) SOLID REAR DOOR – MIDDLE ATLANTIC MW-RD-44 – 2100126
(4) SIDE PANELS – MIDDLE ATLANTIC SPN-44-36 – 2100127
(5) VENTED TOP – MIDDLE ATLANTIC MW-VT – 2100128
(6) COPPER PATCH PANEL, MODULAR, 48P – COMMSCOPE 760207282 – 90344
(7) NETWORK SWITCH, 48 POE PORTS – CISCO C9200-48P-E++ – 90203
(8) KVM CONSOLE, 19", TAA – TRIPP-LITE B020-U08-19KTAA – 2100134
(9) VMS SERVER – GENETEC SV-2000E-1RM-24T-8-FAA – NS703
(10) RACK DRAWER – MIDDLE ATLANTIC UD4 – 2100118
(11) UPS 2200VA, 120V, TAA – TRIPP-LITE SM2200RMXL2UTAA – 10261.4
(12) BATTERY PACK FOR 2.2KVA UPS, TAA – TRIPP-LITE BP48V27-2US – 10261.5
(13) BLANK PANEL, 1U – MIDDLE ATLANTIC EB1 – 2100119
(14) BLANK PANEL, 2U – MIDDLE ATLANTIC EB2 – 2100120
(15) RACK RECESSED DIN-RAIL – PANDUIT IABDIN4 – 40025
(16) IP-LCM-A WEB RELAY, 8 PORT – ZENITEL 1008095201 – 40026
(17) RELAY I/O CARD FOR UPS – TRIPP-LITE RELAYIOCARD – 10261.2
(18) RACK SHELF – MIDDLE ATLANTIC UTR1 – 2100132
(19) WORKSTATION – DELL OPTIPLEX 7010 MICRO – NS708
(20) CONTACT SMART CARD READER – LENEL R31210349-1 – 10036
(21) FIBER PATCH PANEL, MODULAR, 1RU – CORNING CCH-01U – 90632
(22) 12 FIBER MODULE, LC, OM3/4 – CORNING CCH-CP12-E4 – 90642
(23) MEDIA CONVERTER SHELF, FIBER CARD CAGE – TRANSITION NETWORKS RMS19-SA4-02 – 90648.3
(24) FIBER MEDIA CONVERTER, 1GBPS MINI – TRANSITION NETWORKS M/GE-ISW-SFP-01 – 90648.1
(25) SFP TRANSCEIVER, LC MM 2-FIBER 1 GBPS – TRANSITION NETWORKS TN-GLC-SX-MM-RGD – 90648.2
(26) BLANK NETWORK MODULE – CISCO C9200-NM-NONE – 90205
(27) RACK MOUNT BRACKET, MINI – TRANSITION NETWORKS RMBM – 90648.6
(28) GROUND BUS BAR FOR CABINET – MIDDLE ATLANTIC BB-44-1 – 2100131
(29) POWER STRIP – MIDDLE ATLANTIC PDT-1620C-NS – 2100140
(30) FIBER TO RS485 MEDIA CONVERTER – COMNET FDX60M1B – 90647
(31) FIBER CARD CAGE AND POWER SUPPLY (1RU) – COMNET C3-US – 90602
(32) TAMPER SWITCH – GRI TSC-20 – 10333
(33) 60W INDOOR MIDSPAN – BOSCH NPD-6001B – 30313

GENERAL NOTES:

1. HEAD END SECURITY RACK/CABINET TO BE BOLTED TO THE FLOOR.
2. GROUND SECURITY RACK/CABINET GROUND BUS BAR TO BUILDING GROUND WITHIN THE ROOM. GROUND THE SECURITY CABINET AND RACK-MOUNTED EQUIPMENT TO THE GROUND BUS BAR PER MANUFACTURER SPECIFICATIONS AND FAA REQUIREMENTS.
3. TWO 2" CONDUITS TO BE INSTALLED FROM SECURITY CABLE TROUGH TO EQUIPMENT RACK.

KEYNOTES:

(1) UPS AND BATTERIES ARE SIZED BASED ON THE HEAD-END POWER LOAD AND 30 MINUTES OF BACKUP TIME IN CASE OF POWER LOSS.

(2) SERVER TO PROVIDE NVR SERVER FUNCTIONALITY.

(3) DRAWER IS PROVIDED TO STORE SECURITY DOCUMENTATION AND MISCELLANEOUS MATERIALS.

(4) ACS/IDS WORKSTATION INSTALLED IN THE EQUIPMENT RACK IS INTENDED TO PROVIDE THE ABILITY FOR THE SITE SECURITY MANAGER TO ENROLL NON-FAA PIV CREDENTIALS. THIS WORKSTATION WILL ALSO SUPPORT ADMINISTRATIVE AND MAINTENANCE FUNCTIONS AS NEEDED.

(5) INSTALL GROUND BUS BAR AND VERTICAL POWER STRIP ON THE BACK OF THE RACK.

(6) INSTALL TAMPER SWITCHES ON SIDE PANELS AND FRONT AND REAR DOORS. WIRE ALL TAMPERS IN SERIES AND CONNECT TO ACP ENCLOSURE ENC-132-01 FOR ACCESS MONITORING.

ELECTRICAL KEYNOTES:

(E1) PROVIDE DEDICATED 120VAC POWER CIRCUIT ON THE WALL NEAR THE BACK OF THE CABINET AT 86" ABOVE FINISHED FLOOR –ON ESSENTIAL POWER– TERMINATED ON NEMA5-20R FROM AREA BRANCH PANEL.

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FEDERAL AVIATION ADMINISTRATION
SOUTHERN REGION — ATLANTA, GA

ASHEVILLE ATCT-TRACON
SECURITY SYSTEM DESIGN
HEAD END RACK ELEVATION (ER-132-01)

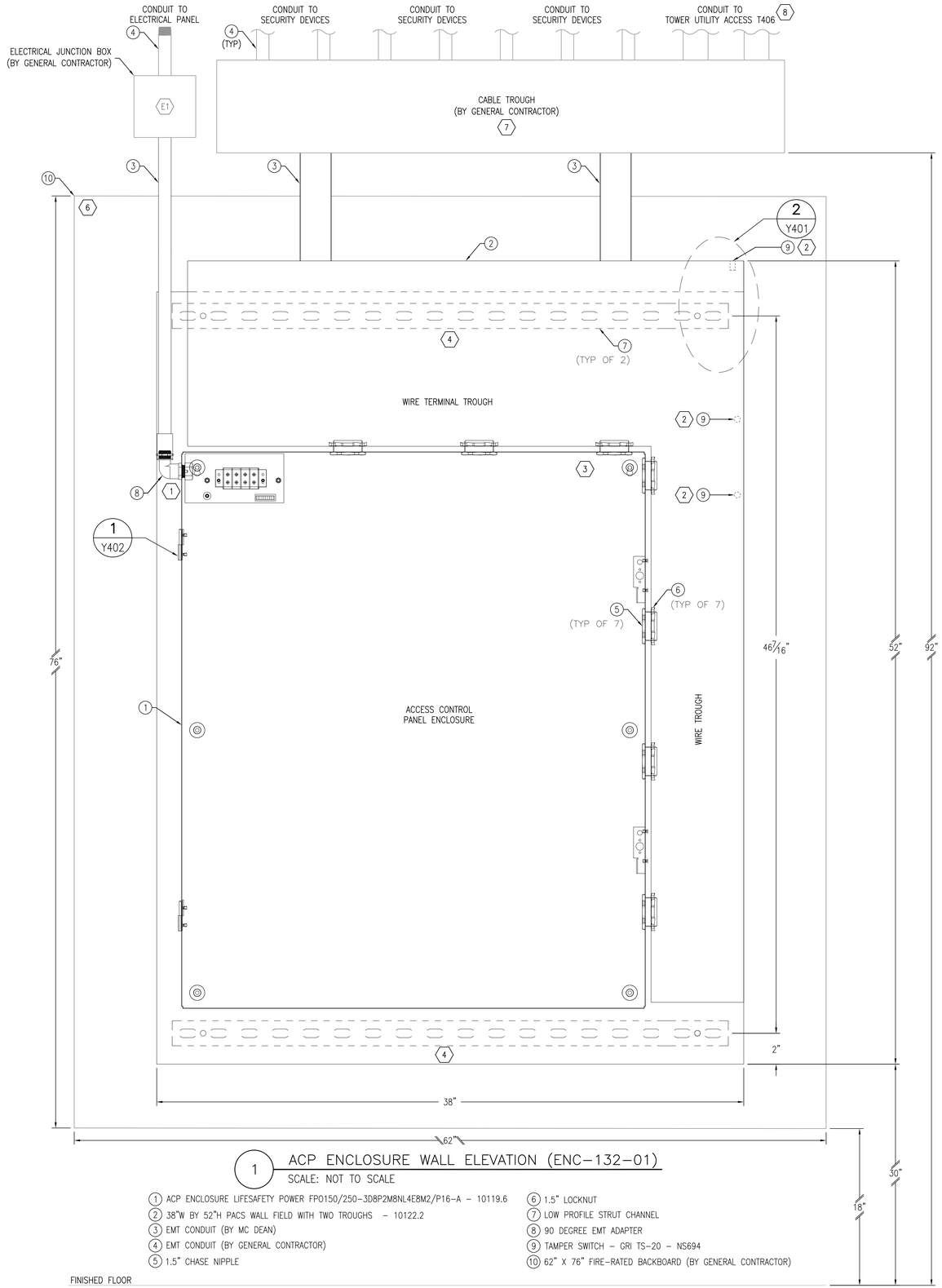
ASHEVILLE — AVL — NC

SCALE: NOT TO SCALE

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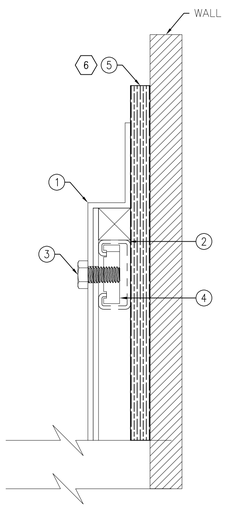
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DRAWN BY: J. CUNNINGHAM		DRAWING NUMBER: AVL-D-ATCT-Y400 REV: –
CHECKED BY: S. MILLER		



1 ACP ENCLOSURE WALL ELEVATION (ENC–132–01)

SCALE: NOT TO SCALE

1. ACP ENCLOSURE LIFESAFETY POWER FPO150/250–3D8P2M8NL4E8M2/P16–A – 10119.6
2. 38"W BY 52"H PACS WALL FIELD WITH TWO TROUGHS – 10122.2
3. EMT CONDUIT (BY MC DEAN)
4. EMT CONDUIT (BY GENERAL CONTRACTOR)
5. 1.5" CHASE NIPPLE
6. 1.5" LOCKNUT
7. LOW PROFILE STRUT CHANNEL
8. 90 DEGREE EMT ADAPTER
9. TAMPER SWITCH – GRI TS–20 – NS694
10. 62" X 76" FIRE–RATED BACKBOARD (BY GENERAL CONTRACTOR)



2 WALL FIELD MOUNTING DETAIL (5)

SCALE: NOT TO SCALE

1. PACS WALL FIELD WITH TWO TROUGHS
2. LOW PROFILE STRUT CHANNEL
3. STEEL HEX HEAD SCREW
4. CHANNEL NUT
5. 3/4" FIRE RATED BACKBOARD

GENERAL NOTES:

1 ALL EQUIPMENT TO BE GROUNDED PER MANUFACTURER SPECIFICATIONS AND FAA REQUIREMENTS.

KEYNOTES:

(1) UTILIZE THE PROVIDED CONDUIT KNOCKOUT IN THE ENCLOSURE.

(2) INSTALL THREE TAMPERS IN SERIES ON HORIZONTAL TERMINAL TROUGH FRONT DOOR, TOP DOOR, AND VERTICAL TROUGH DOOR.

(3) GROUNDING TERMINAL IN ENCLOSURE TO BE CONNECTED TO GROUNDING TERMINAL IN CABLE TROUGH.

(4) GROUNDING TERMINAL IN TROUGH TO BE CONNECTED TO ROOMS GROUND BUS BAR OR NEAREST AVAILABLE NEC APPROVED GROUNDING POINT.

(5) DETAIL SHOWS MOUNTING OF WALL FIELD TO THE WALL–MOUNTED UNISTRUT TO THE WALL USING A MINIMUM OF 3 ANCHORS PER UNISTRUT. USE APPROPRIATE MOUNTING HARDWARE TO SUPPORT UP TO 200LB OF WEIGHT.

(6) GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL FIRE–RATED 3/4" PLYWOOD FOR THE SECURITY ENCLOSURE LOCATION (MINIMUM OF 62" X 76"). IT SHOULD BE PRIMED AND PAINTED TO MATCH THE WALL IT IS BEING INSTALLED ON WITH FIRE RETARDANT PAINT. DO NOT PAINT OVER THE FIRE RATING STAMP AND LEAVE VISIBLE (MASK OVER WHILE PAINTING).

(7) GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL CABLE TROUGH ABOVE ACP LOCATION. CONDUIT FROM ALL SECURITY DEVICES/PULL BOXES WILL BE ROUTED TO CABLE TROUGH.

(8) GENERAL CONTRACTOR SHALL PROVIDE TWO 2" CONDUIT BETWEEN CABLE TROUGH IN HEAD END 132 AND CABLE TROUGH IN TOWER UTILITY ACCESS T406.

ELECTRICAL KEYNOTES:

(E1) GENERAL CONTRACTOR TO PROVIDE DEDICATED 120VAC POWER CIRCUIT ON ESSENTIAL POWER (IF AVAILABLE) FROM AREA BRANCH PANEL. THIS CIRCUIT WILL BE WIRED DIRECTLY TO THE AC INPUTS OF THE INTERNAL POWER SUPPLIES.

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FEDERAL AVIATION ADMINISTRATION
SOUTHERN REGION — ATLANTA, GA

ASHEVILLE ATCT–TRACON
SECURITY SYSTEM DESIGN
ACCESS CONTROL PANEL FIELD ELEVATION (ENC–132–01)

SCALE: NOT TO SCALE

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ASHEVILLE — AVL — NC

REVIEWED BY	SUBMITTED BY	APPROVED BY
	ANDREW MILHOLLIN	
	ALTERNATE TECHNICAL REPRESENTATIVE	
DESIGNED BY: A. VOGLER	ISSUED BY: M.C. DEAN, INC.	DATE: 05/17/2023 JCN
DRAWN BY: J. CUNNINGHAM		DRAWING NUMBER: AVL–D–ATCT–Y401 REV: –
CHECKED BY: S. MILLER		

GENERAL NOTES:

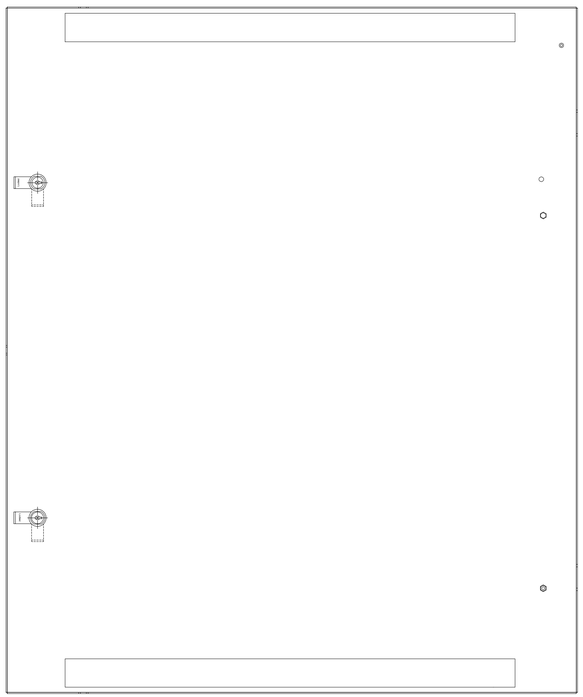
1 FOR SPECIFIC DEVICE CONNECTIVITY REFER TO WIRING DIAGRAMS.

2 ALL EQUIPMENT TO BE GROUNDED PER MANUFACTURER SPECIFICATIONS AND FAA REQUIREMENTS.

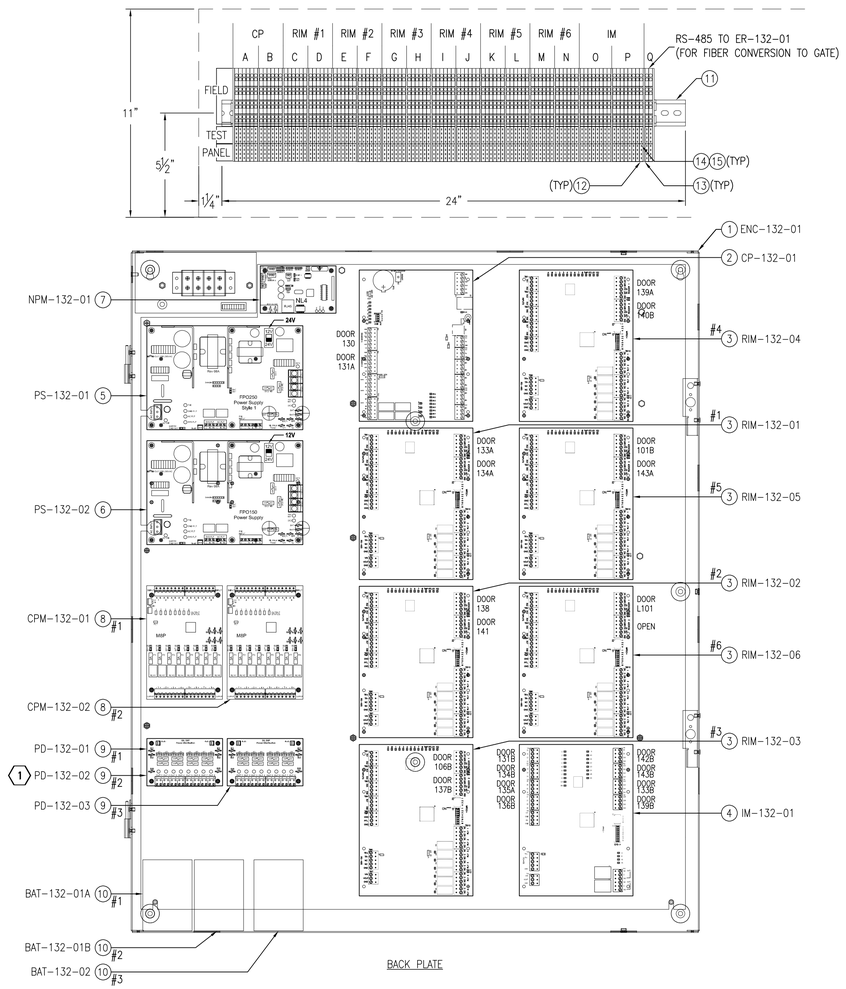
KEYNOTES:

(1) ADDITIONAL LIFESAFETY POWER DISTRIBUTION D8P #2 IS INSTALLED ABOVE D8P #1.

(2) PRINT AND LABEL DOORS WITHIN PACS ENCLOSURE FOR EASE OF MAINTENANCE.



DOOR



BACK PLATE

1 ENC-132-01 ACP ENCLOSURE BOARD LAYOUT (2)

SCALE: NOT TO SCALE

(1) ACP ENCLOSURE LIFESAFETY POWER FPO150/250-3D8P2M8NL4E8M2/P16-A – 10119.6
(2) CONTROL PANEL LNL-X4420 – 10117
(3) READER INTERFACE MODULE LNL-1320-S3 – 10103
(4) ALARM INPUT MODULE LNL-1100-S3 – 10108.1
(5) POWER SUPPLY FPO 250 (INCLUDED WITH ITEM 1)
(6) POWER SUPPLY FPO 150 (INCLUDED WITH ITEM 1)
(7) POWER NETWORK LINK NL4 (INCLUDED WITH ITEM 1)
(8) SMART POWER CONTROLLER MODULE M8P (INCLUDED WITH ITEM 1)
(9) POWER DISTRIBUTION MODULE D8P (INCLUDED WITH ITEM 1)
(10) 12VDC/9AH RECHARGEABLE BATTERY CSB HR1234WF2 – 10116.1
(11) DIN RAIL: MCMASTER CARR 8961K18 – 10125.3
(12) TERMINAL BLOCK: PHOENIX CONTACT 3012316 – 10124.1
(13) TERMINAL BLOCK END COVER: PHOENIX CONTACT 3012311 – NS709
(14) TERMINAL BLOCK CONNECTOR HOUSING: PHOENIX CONTACT 3012323 – NS710
(15) TERMINAL BLOCK CRIMP CONTACT: PHOENIX CONTACT 3190438 – NS711

SENSITIVE SECURITY INFORMATION

WARNING: THIS RECORD CONTAINS SENSITIVE SECURITY INFORMATION THAT IS CONTROLLED UNDER 49 CFR PARTS 15 AND 1520. NO PART OF THIS RECORD MAY BE DISCLOSED TO PERSONS WITHOUT A "NEED TO KNOW", AS DEFINED IN 49 CFR PARTS 15 AND 1520, EXCEPT WITH THE WRITTEN PERMISSION OF THE ADMINISTRATOR OF THE TRANSPORTATION SECURITY ADMINISTRATION OR THE SECRETARY OF TRANSPORTATION. UNAUTHORIZED RELEASE MAY RESULT IN CIVIL PENALTY OR OTHER ACTION. FOR U.S. GOVERNMENT AGENCIES, PUBLIC DISCLOSURE IS GOVERNED BY 5 U.S.C. 552 AND 49 CFR PARTS 15 AND 1520.

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–	07/19/22	ISSUED FOR 95% DRAWING REVIEW			

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHERN REGION ATLANTA, GA

ASHEVILLE ATCT-TRACON
SECURITY SYSTEM DESIGN
ACCESS CONTROL PANEL BOARD LAYOUT (ENC-132-01)

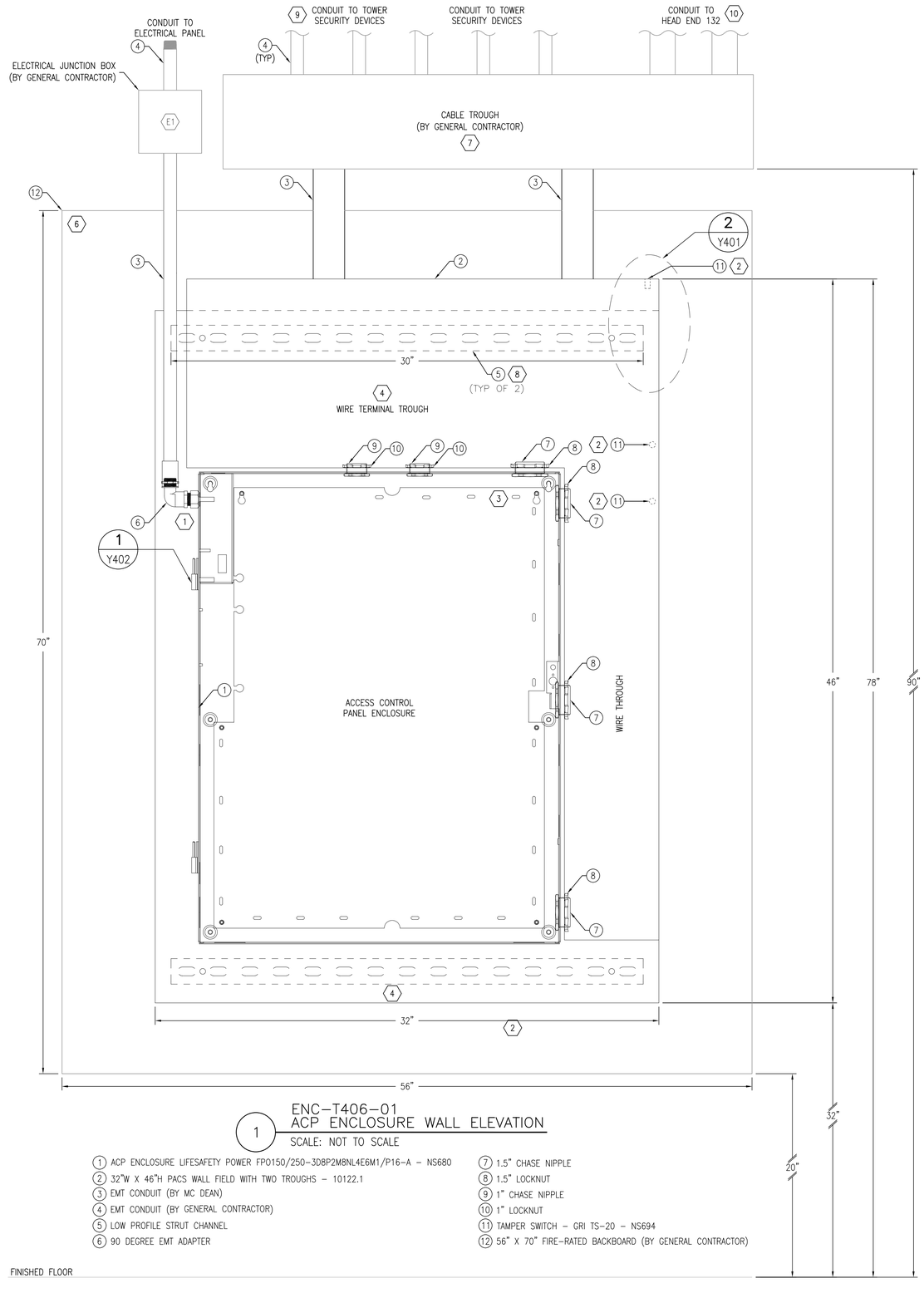
ASHEVILLE AVL NC

SCALE: NOT TO SCALE

MC DEAN BUILDING INTELLIGENCE
SECURITY AND ELECTRONIC SYSTEMS DIVISION
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TEL: 703-802-6231
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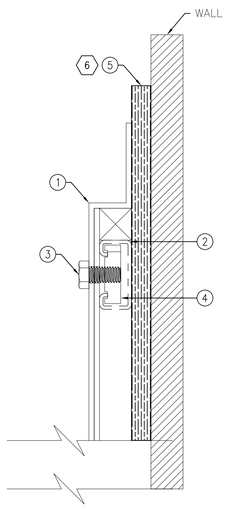
REVIEWED BY
SUBMITTED BY: ANDREW MILHOLLIN, ALTERNATE TECHNICAL REPRESENTATIVE
APPROVED BY
DESIGNED BY: A. VOGLER
ISSUED BY: M.C. DEAN, INC.
DRAWN BY: J. CUNNINGHAM
CHECKED BY: S. MILLER
DATE: 05/17/2023 JCN
DRAWING NUMBER: AVL-D-ATCT-Y402 REV –



1 ENC–T406–01 ACP ENCLOSURE WALL ELEVATION

SCALE: NOT TO SCALE

1. ACP ENCLOSURE LIFESAFETY POWER FPO150/250–3D8P2M8NL4E6M1/P16–A – NS680
2. 32"W X 46"H PACS WALL FIELD WITH TWO TROUGHS – 10122.1
3. EMT CONDUIT (BY MC DEAN)
4. EMT CONDUIT (BY GENERAL CONTRACTOR)
5. LOW PROFILE STRUT CHANNEL
6. 90 DEGREE EMT ADAPTER
7. 1.5" CHASE NIPPLE
8. 1.5" LOCKNUT
9. 1" CHASE NIPPLE
10. 1" LOCKNUT
11. TAMPER SWITCH – GRI TS–20 – NS694
12. 56" X 70" FIRE–RATED BACKBOARD (BY GENERAL CONTRACTOR)



2 WALL FIELD MOUNTING DETAIL 5

SCALE: NOT TO SCALE

1. PACS WALL FIELD WITH TWO TROUGHS
2. LOW PROFILE STRUT CHANNEL
3. STEEL HEX HEAD SCREW
4. CHANNEL NUT
5. 3/4" FIRE RATED BACKBOARD

GENERAL NOTES:

1 ALL EQUIPMENT TO BE GROUNDED PER MANUFACTURER SPECIFICATIONS AND FAA REQUIREMENTS.

KEYNOTES:

1. UTILIZE THE PROVIDED CONDUIT KNOCKOUT IN THE ENCLOSURE.
2. INSTALL THREE TAMPERS IN SERIES ON HORIZONTAL TERMINAL TROUGH FRONT DOOR, TOP DOOR, AND VERTICAL TROUGH DOOR.
3. GROUNDING TERMINAL IN ENCLOSURE TO BE CONNECTED TO GROUNDING TERMINAL IN CABLE TROUGH.
4. GROUNDING TERMINAL IN TROUGH TO BE CONNECTED TO ROOMS GROUND BUS BAR OR NEAREST AVAILABLE NEC APPROVED GROUNDING POINT.
5. DETAIL SHOWS MOUNTING OF WALL FIELD TO THE WALL–MOUNTED UNISTRUT TO THE WALL USING A MINIMUM OF 3 ANCHORS PER UNISTRUT. USE APPROPRIATE MOUNTING HARDWARE TO SUPPORT UP TO 200LB OF WEIGHT.
6. GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL FIRE–RATED 3/4" PLYWOOD FOR THE SECURITY ENCLOSURE LOCATION (MINIMUM OF 56" X 70"). IT SHOULD BE PRIMED AND PAINTED TO MATCH THE WALL IT IS BEING INSTALLED ON WITH FIRE RETARDANT PAINT. DO NOT PAINT OVER THE FIRE RATING STAMP AND LEAVE VISIBLE (MASK OVER WHILE PAINTING).
7. GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL CABLE TROUGH ABOVE ACP LOCATION. CONDUIT FROM ALL SECURITY DEVICES/PULL BOXES WILL BE ROUTED TO CABLE TROUGH.
8. STRUT CHANNEL TO BE 30" IN LENGTH. CUT 6" OFF STANDARD 3 FT STRUT CHANNEL TO ACCOMMODATE E6 WALL FIELD.
9. EXACT NUMBER, SIZE, AND CABLING TROUGH ENTRY LOCATION FOR GC PROVIDED CONDUIT FOR TOWER DEVICES TO BE DETERMINED DURING INSTALLATION.
10. GENERAL CONTRACTOR SHALL PROVIDE TWO 2" CONDUIT BETWEEN CABLE TROUGH IN HEAD END 132 AND CABLE TROUGH IN TOWER UTILITY ACCESS T406.

ELECTRICAL KEYNOTES:

E1 GENERAL CONTRACTOR TO PROVIDE DEDICATED 120VAC POWER CIRCUIT ON ESSENTIAL POWER (IF AVAILABLE) FROM AREA BRANCH PANEL. THIS CIRCUIT WILL BE WIRED DIRECTLY TO THE AC INPUTS OF THE INTERNAL POWER SUPPLIES.

SENSITIVE SECURITY INFORMATION

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FEDERAL AVIATION ADMINISTRATION
SOUTHERN REGION — ATLANTA, GA

ASHEVILLE ATCT–TRACON
SECURITY SYSTEM DESIGN
ACCESS CONTROL PANEL FIELD ELEVATION (ENC–T406–01)

ASHEVILLE — AVL — NC

SCALE: NOT TO SCALE

MC DEAN BUILDING INTELLIGENCE SECURITY AND ELECTRONIC SYSTEMS DIVISION
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TEL: 703–802–6231
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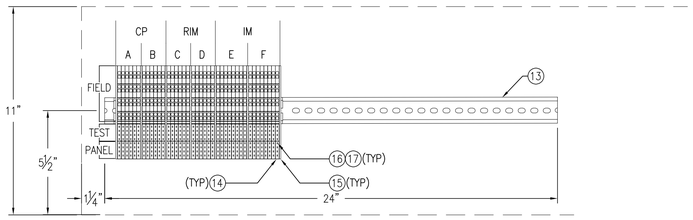
REVIEWED BY	SUBMITTED BY	APPROVED BY
	ANDREW MILHOLLIN	
	ALTERNATE TECHNICAL REPRESENTATIVE	
	DESIGNED BY A. VOGLER — ISSUED BY — DATE 05/17/2023 — JCN	
	DRAWN BY J. CUNNINGHAM — M.C. DEAN, INC. — DRAWING NUMBER AVL–D–ATCT–Y403 — REV –	
	CHECKED BY S. MILLER	

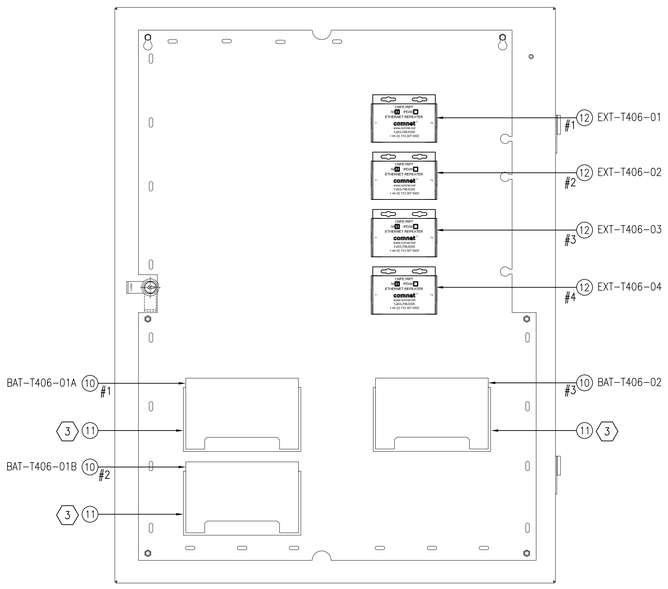
GENERAL NOTES:

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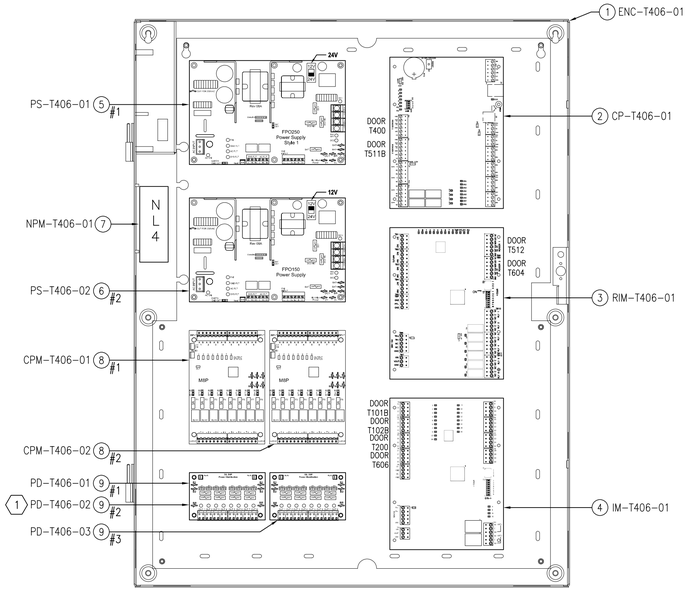
KEYNOTES:

1. ADDITIONAL LIFESAFETY POWER DISTRIBUTION D8P #2 IS INSTALLED ABOVE D8P #1.
2. PRINT AND LABEL DOORS WITHIN PACS ENCLOSURE FOR EASE OF MAINTENANCE.
3. DRILL HOLES AS NEEDED FOR MOUNTING OF BATTERY BRACKETS.





DOOR



BACK PLATE

1 ENC-T406-01 ACP ENCLOSURE BOARD LAYOUT (2)

SCALE: NOT TO SCALE

1. ACP ENCLOSURE LIFESAFETY POWER FPO150/250-3D8P2M8NL4E6M1/P16-A – NS680
2. CONTROL PANEL LNL-X4420 – 10117
3. READER INTERFACE MODULE LNL-1320-S3 – 10103
4. ALARM INPUT MODULE LNL-1100-S3 – 10108.1
5. POWER SUPPLY FPO 250 (INCLUDED WITH ITEM 1)
6. POWER SUPPLY FPO 150 (INCLUDED WITH ITEM 1)
7. POWER NETWORK LINK NL4 (INCLUDED WITH ITEM 1)
8. SMART POWER CONTROLLER MODULE M8P (INCLUDED WITH ITEM 1)
9. POWER DISTRIBUTION MODULE D8P (INCLUDED WITH ITEM 1)
10. 12VDC/9AH RECHARGEABLE BATTERY CSB HR1234WF2 – 10116.1
11. SHELF BATTERY BRACKET – CAMPBELL SCIENTIFIC 31149 – 10116.2
12. POE ETHERNET REPEATER – COMNET CNFE1RPT/M – 100007
13. DIN RAIL: MCMASTER CARR 8961K18 – 10125.3
14. TERMINAL BLOCK: PHOENIX CONTACT 3012316 – 10124.1
15. TERMINAL BLOCK END COVER: PHOENIX CONTACT 3012311 – NS709
16. TERMINAL BLOCK CONNECTOR HOUSING: PHOENIX CONTACT 3012323 – NS710
17. TERMINAL BLOCK CRIMP CONTACT: PHOENIX CONTACT 3190438 – NS711

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

SOUTHERN REGION — ATLANTA, GA

ASHEVILLE ATCT-TRACON
SECURITY SYSTEM DESIGN
ACCESS CONTROL PANEL BOARD LAYOUT (ENC-T406-01)

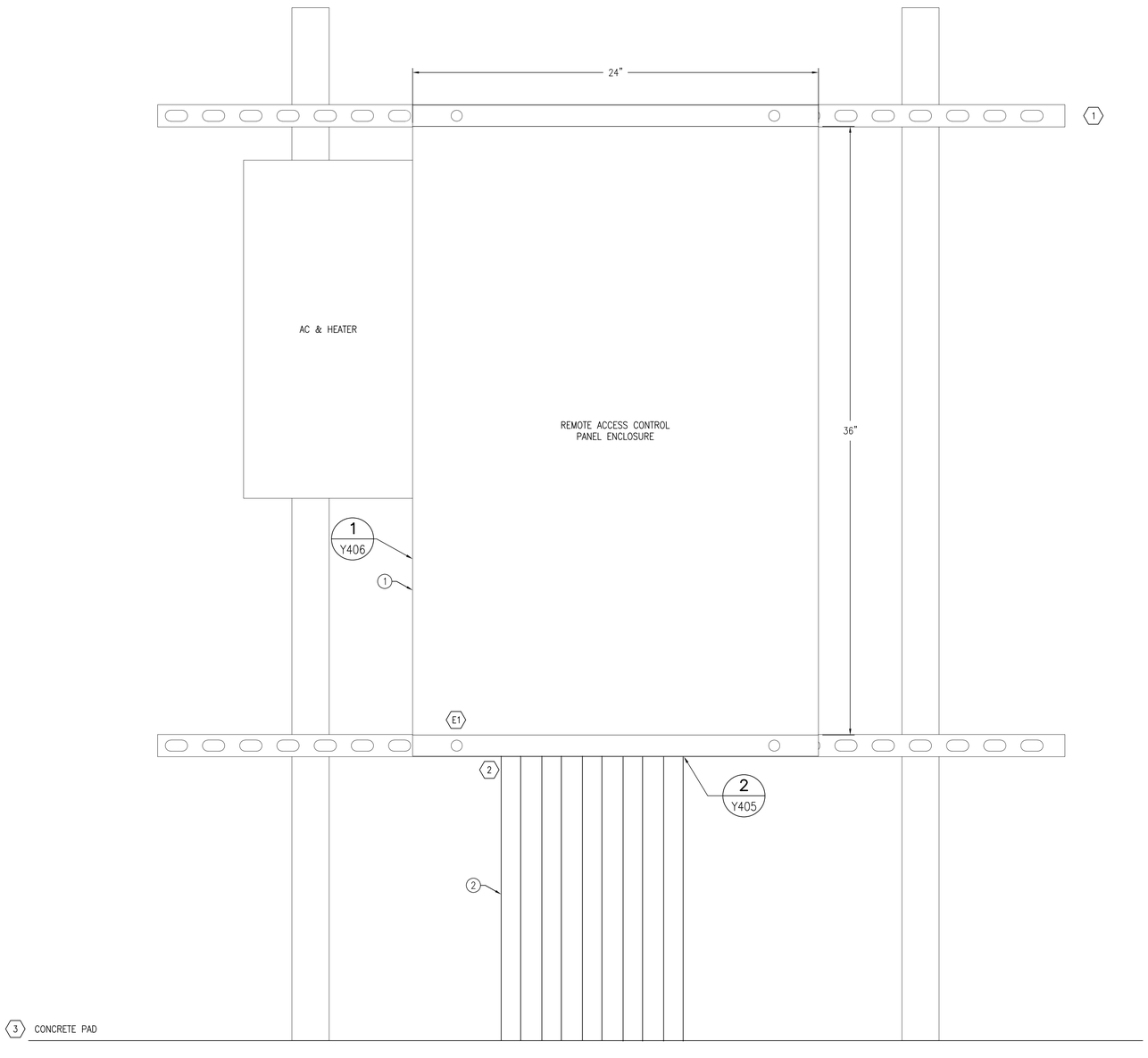
ASHEVILLE — AVL — NC

SCALE: NOT TO SCALE

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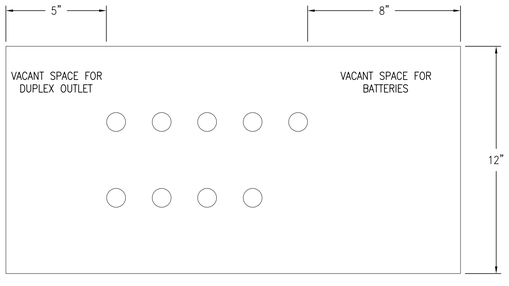
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	ANDREW MILHOLLIN	
	ALTERNATE TECHNICAL REPRESENTATIVE	
DESIGNED BY: A. VOGLER	ISSUED BY: M.C. DEAN, INC.	DATE: 05/17/2023 JCN
DRAWN BY: J. CUNNINGHAM		DRAWING NUMBER: AVL-D-ATCT-Y404 REV: –
CHECKED BY: S. MILLER		



1 ENC–GATE–01
VEHICLE AND PEDESTRIAN GATES REMOTE ENCLOSURE DETAIL
SCALE: NOT TO SCALE

(1) OUTDOOR NEMA 4X ENCLOSURE, TERMP CONTROLLED, STAINLESS STEEL – MIER BW–136–ACHTSS – 10126.1 (BY MCDEAN)
(4) (2) 1" EMT CONDUIT (BY GENERAL CONTRACTOR)



2 1" CONDUIT ENTRY (BOTTOM VIEW)
SCALE: NOT TO SCALE

GENERAL NOTES:

1 ALL EQUIPMENT TO BE GROUNDED PER MANUFACTURER SPECIFICATIONS AND FAA REQUIREMENTS.

KEYNOTES:

(1) GENERAL CONTRACTOR TO PROVIDE MOUNTING STRUCTURE.

(2) ENCLOSURES DO NOT INCLUDE CONDUIT KNOCKOUTS. AFTER KNOCKOUTS ARE CREATED, WATER TIGHT FITTINGS MUST BE USED ON ALL OPENINGS TO MAINTAIN NEMA 4 RATING.

(3) GENERAL CONTRACTOR TO PROVIDE CONCRETE PAD AND GROUNDING CONNECTION TO SITE EXTERIOR GROUNDING SYSTEM.

(4) QTY (3) 1" CONDUIT FROM BASE BUILDING FOR COMMS, 120 VAC, AND SPARE.
QTY (1) 1" CONDUIT FROM ACP TO PEDESTRIAN GATE EXIT PEDESTAL.
QTY (1) 1" CONDUIT FROM ACP TO PEDESTRIAN ELECTRIFIED GATE LOCK.
QTY (1) 1" CONDUIT FROM ACP TO PEDESTRIAN ENTRY PEDESTAL.
QTY (1) 1" CONDUIT FROM ACP TO VEHICLE ENTRY GATE CONTROLLER.
QTY (2) 1" CONDUIT FROM ACP TO VEHICLE ENTRY PEDESTAL.

ELECTRICAL KEYNOTES:

(E1) GENERAL CONTRACTOR TO PROVIDE ONE (1) DEDICATED 120VAC POWER CIRCUIT –ON ESSENTIAL POWER– FROM AREA BRANCH PANEL.

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FEDERAL AVIATION ADMINISTRATION
SOUTHERN REGION ATLANTA, GA

ASHEVILLE ATCT–TRACON
SECURITY SYSTEM DESIGN
ACCESS CONTROL PANEL FIELD ELEVATION
(ENC–GATE–01)

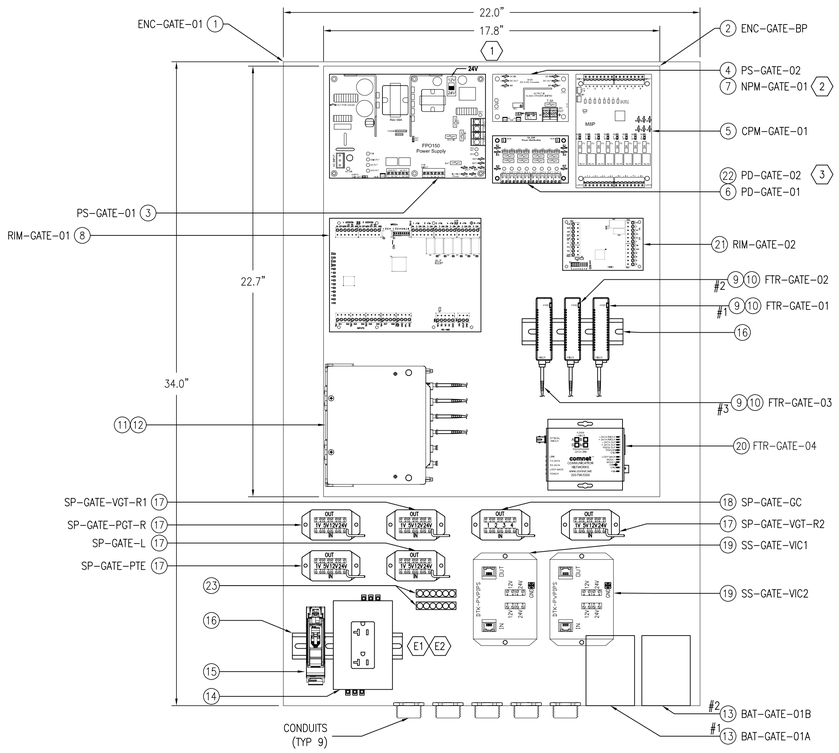
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	ALTERNATE TECHNICAL REPRESENTATIVE	
DESIGNED BY	A. VOGLER	ISSUED BY: M.C. DEAN, INC.
DRAWN BY	J. CUNNINGHAM	DATE 05/17/2023 JCN
CHECKED BY	S. MILLER	DRAWING NUMBER AVL–D–ATCT–Y405 REV –



ENC-GATE-01
VEHICLE AND PEDESTRIAN GATES REMOTE ENCLOSURE DETAIL

1 SCALE: NOT TO SCALE

(1) OUTDOOR NEMA 4X ENCLOSURE, TEMP CONTROLLED – MIER BW-136-ACHTSS – 10126.1
(2) ACP BACK PLATE – LIFESAFETY POWER FPO150-B100D8PM8NL4E4M – 10119.22
(3) FPO150 POWER SUPPLY, 4A/24V, 150W (INCLUDED WITH ITEM 2)
(4) DC POWER CONVERTER B100, 12V (INCLUDED WITH ITEM 2)
(5) SMART POWER CONTROLLER MODULE M8P (INCLUDED WITH ITEM 2)
(6) POWER DISTRIBUTION BOARD D8, 8 OUTPUT (INCLUDED WITH ITEM 2)
(7) POWER NETWORK LINK NL4 (INCLUDED WITH ITEM 2)
(8) READER INTERFACE MODULE – LNL-1320-S3 – 10103
(9) SFP TRANSCEIVER, LC MM 2-FIBER 1GBPS – TRANSITION NETWORKS TN-GLC-SX-MM-RGD – 90648.2
(10) FIBER MEDIA CONVERTER, 1GBPS MINI – TRANSITION NETWORKS M/GE-ISW-SFP-01 – 90648.1
(11) SINGLE PANEL WALL-MOUNTED FIBER HOUSING – CORNING SPH-01P – 90640
(12) 12-STRAND FIBER PATCH PANEL, LC – CORNING CCH-CP12-E4 – 90642
(13) BATTERY, 12VDC/9AH – CSB HR1234WF2 – 10116.1
(14) DUPLEX POWER RECEPTACLE ON DIN RAIL MCMASTER CARR 7656T13 OR EQUAL – 10119.11
(15) CIRCUIT BREAKER, 20A, DIN RAIL – MCMASTER CARR 5789T7-20A – 10119.12
(16) DIN RAIL: MCMASTER CARR 8961K18 – 10125.3
(17) LOW VOLTAGE SURGE PROTECTOR, DATA/POWER – DITEK DTK-4LVLPCR – 70009
(18) LOW VOLTAGE SURGE PROTECTOR, 5VDC – DITEK DTK-4LVLPD – 70011
(19) SURGE PROTECTOR, RJ-45/VDC – DITEK DTK-PVPIPS – 70012
(20) FIBER TO RS485 MEDIA CONVERTER, 1 FIBER, ST, MULTIMODE, FDX60M1A-M/C – 90646
(21) READER INTERFACE MODULE – LNL-1300-S3 – 10103.2
(22) DIRECT POWER DISTRIBUTION MODULE – LIFESAFTY POWER D8P – 10119.9
(23) GROUNDING BUS BAR – DITEK 100-640 – 10121.8

GENERAL NOTES:

1 FOR SPECIFIC DEVICE CONNECTIVITY REFER TO WIRING DIAGRAMS.
2 ALL EQUIPMENT TO BE GROUNDED PER MANUFACTURER SPECIFICATIONS AND FAA REQUIREMENTS.

KEYNOTES:

(1) REMOVE THE BACK PLATE FROM THE LIFESAFETY POWER ENCLOSURE AND ATTACH IT TO NEW MIER NEMA 4X ENCLOSURE BACK PLATE.
(2) LIFESAFETY POWER NETWORK LINK NL4 IS MOUNTED ON TOP OF THE B100 DC CONVERTER.
(3) POWER DISTRIBUTION BOARD 2 IS MOUNTED ON TOP OF THE POWER DISTRIBUTION BOARD 1.

ELECTRICAL KEYNOTES:

(E1) GENERAL CONTRACTOR TO PROVIDE ONE (1) DEDICATED 120VAC POWER CIRCUIT –ON ESSENTIAL POWER– FROM AREA BRANCH PANEL.
(E2) AC AND HEATER TEMPERATURE CONTROL UNIT INCLUDES A STANDARD 3-PRONG NEMA 5-15P PLUG. CONNECT TO DUPLEX OUTLET.

SENSITIVE SECURITY INFORMATION

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–	05/17/23	95% DRAWING FINAL			
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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHERN REGION — ATLANTA, GA

ASHEVILLE ATCT-TRACON
SECURITY SYSTEM DESIGN
ACCESS CONTROL PANEL BOARD LAYOUT
(ENC-GATE-01)

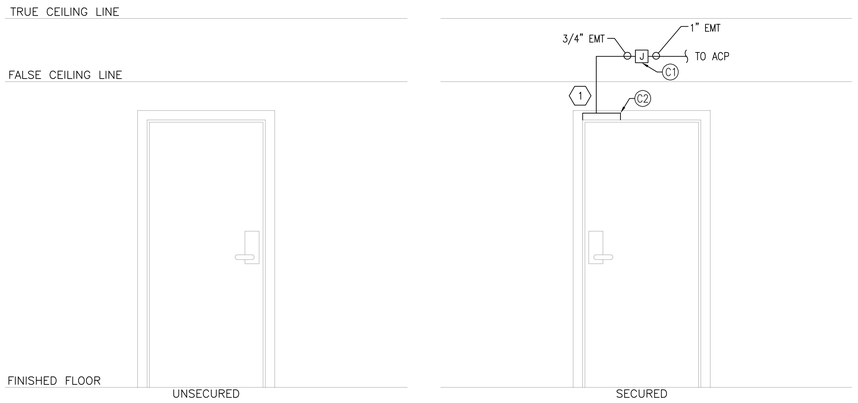
ASHEVILLE — AVL — NC

SCALE: NOT TO SCALE

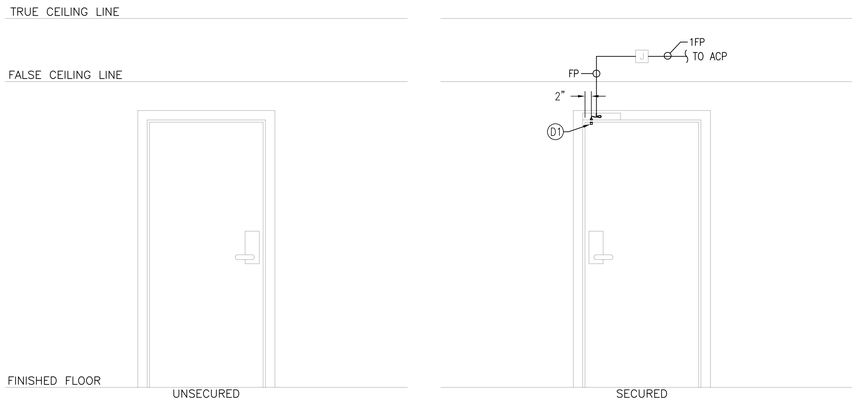
MC DEAN BUILDING INTELLIGENCE.
SECURITY AND ELECTRONIC SYSTEMS DIVISION
1765 GREENSBORO STATION PL.
TYSONS, VA 22102
TEL: 703-802-6231
WWW.MCDEAN.COM

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REVIEWED BY	SUBMITTED BY	APPROVED BY
	ANDREW MILHOLLIN	
	ALTERNATE TECHNICAL REPRESENTATIVE	
DESIGNED BY: A. VOGLER	ISSUED BY: M.C. DEAN, INC.	DATE: 05/17/2023 JCN:
DRAWN BY: J. CUNNINGHAM		DRAWING NUMBER: AVL-D-ATCT-Y406 REV: –
CHECKED BY: S. MILLER		



CONDUIT ELEVATION



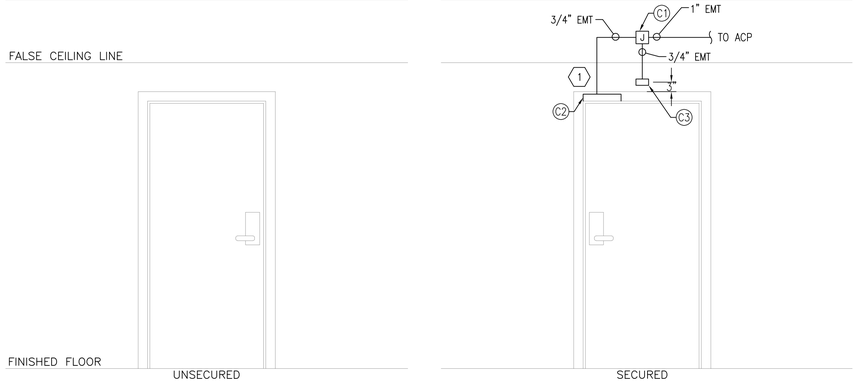
DEVICE ELEVATION

(C1) DOOR JUNCTION BOX (PROVIDED AND INSTALLED BY GENERAL CONTRACTOR)
(C2) GROUT BOX (PROVIDED AND INSTALLED BY GENERAL CONTRACTOR)

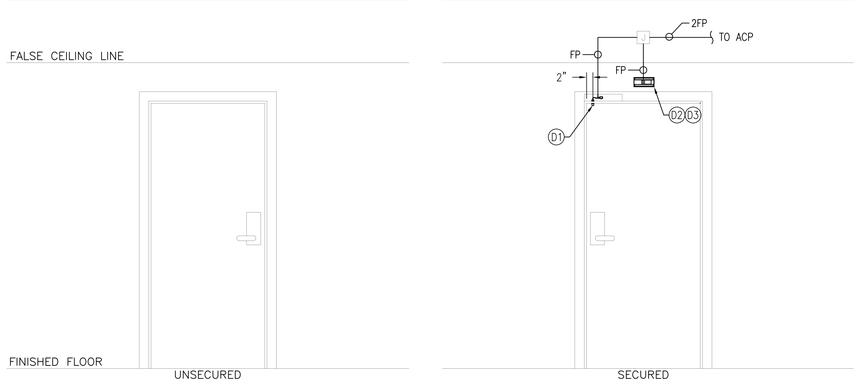
(D1) RECESSED DOOR CONTACT (1" DIAMETER) MAGNASPHERE MSS-301C – 10301.1 (BY MCDEAN)

1 SD-01 (DC ONLY) DOOR ELEVATION

SCALE: 1/2" = 1'-0"



CONDUIT ELEVATION



DEVICE ELEVATION

(C1) DOOR JUNCTION BOX (PROVIDED AND INSTALLED BY GENERAL CONTRACTOR)
(C2) GROUT BOX (PROVIDED AND INSTALLED BY GENERAL CONTRACTOR)
(C3) SINGLE-GANG BACK BOX MOUNTED HORIZONTALLY (PROVIDED AND INSTALLED BY GENERAL CONTRACTOR)

(D1) RECESSED DOOR CONTACT (1" DIAMETER) MAGNASPHERE MSS-301C – 10301.1 (BY MCDEAN)
(D2) PIR REQUEST TO EXIT KANTECH T.REX-LT – 10331.1 (BY MCDEAN)
(D3) PIR REX TRIM PLATE KANTECH T.REX-PLATE – 10331.2 (BY MCDEAN)

2 SD-02 (DC AND REX) DOOR ELEVATION

SCALE: 1/2" = 1'-0"

GENERAL NOTES:

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2. CONCEAL CONDUITS WITHIN WALLS AND ABOVE CEILINGS WHERE FEASIBLE.
3. LOCATE DEVICE(S) WHERE INDICATED ON SECURITY DEVICE PLACEMENT FLOOR PLANS. WHERE WALL SPACE DOES NOT ALLOW FOR DEVICE(S) TO BE PLACED PER DOOR ELEVATION DESIGN, FIELD COORDINATE LOCATION OF DEVICE(S).
4. WHERE NO SUSPENDED CEILING EXISTS, MOUNT DOOR JUNCTION BOX 24" ABOVE DOOR FRAME.
5. ALL GENERAL DOOR ELEVATION DETAILS REPRESENT INSTALLATION OF LEFT-HANDED DOORS. MIRROR ELEVATION DEVICE PLACEMENT FOR RIGHT-HANDED DOORS.
6. MAXIMUM CONDUIT FILL IS 40% OF THE TOTAL AVAILABLE CONDUIT SPACE.
7. ALL CONDUIT PULL BOXES MUST BE SECURED WITH TAMPER PROOF SCREWS.

KEYNOTES:

(1) GC TO PREPARE DOOR AND FRAME ACCORDING TO MANUFACTURER INSTRUCTIONS AND DOOR CONTACT MOUNTING DETAIL SHOWN ON SHEET Y575

CABLE INDEX

SYM	DESCRIPTION	SYM	DESCRIPTION
EP	2C, WALL FIELD WIRING	EU	18AWG/2C, OVERALL SHIELDED, OUTDOOR WCW P/N 714110VNQ
FP	18AWG/4C, UNSHIELDED, PLENUM WCW P/N 442380	QU	18AWG/4C, OVERALL SHIELDED, OUTDOOR WCW P/N 714310VNQ
MP	16AWG/4C, OVERALL SHIELDED, PLENUM WCW P/N 441340	MU	16AWG/4C, OVERALL SHIELDED, OUTDOOR WCW P/N 713310VNQ
RP	18AWG/1P, SHIELDED, STRD, PLENUM WCW P/N 052000LC	RU	18AWG/1P, SHIELDED, STRD, OUTDOOR WCW P/N 108760DB
SP	22AWG/1P,SHLD & 18AWG/2C,UNS,PLNM WCW P/N CRESCOMP-WHT		
LC	CAT6 PATCH CORD, C2G		
LP	CAT6, UTP, PLENUM WCW P/N 556600	LU	CAT6, UTP, OUTDOOR WCW P/N 775600-110DB
XP	CAT6, UTP, LONG-DISTANCE, PLENUM GAMECHANGER P/N 258300310	XU	CAT6, UTP, LONG-DISTANCE, OUTDOOR GAMECHANGER P/N 258330804
BP	DUPLEX OM3 FIBER PATCH CORD, C2G	AU	6-STR OM3 FIBER, INDOOR/OUTDOOR CORNING P/N 006T8P-31180-29
V	VENDOR/MANUFACTURER SUPPLIED CABLE		

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHERN REGION — ATLANTA, GA

ASHEVILLE ATCT-TRACON
SECURITY SYSTEM DESIGN
DOORS SD-01 AND SD-02 ELEVATIONS

ASHEVILLE — AVL — NC

SCALE: 1/2"=1'-0" (2' 1' 0 1' 2' 3' 4')

MC DEAN BUILDING INTELLIGENCE SECURITY AND ELECTRONIC SYSTEMS DIVISION
1765 GREENSBORO STATION PL.
TYSONS, VA 22102
TEL: 703-802-6231
WWW.MCDEAN.COM

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REVIEWED BY	SUBMITTED BY	APPROVED BY
	ANDREW MILHOLLIN	
	ALTERNATE TECHNICAL REPRESENTATIVE	
	DESIGNED BY: A. VOGLER — ISSUED BY: M.C. DEAN, INC.	DATE: 05/17/2023 JCN
	DRAWN BY: J. CUNNINGHAM	DRAWING NUMBER: AVL-D-ATCT-Y450 REV: –
	CHECKED BY: S. MILLER	



CONDUIT ELEVATION

(C1) DOOR JUNCTION BOX (PROVIDED AND INSTALLED BY GENERAL CONTRACTOR)
(C2) GROUT BOX (PROVIDED AND INSTALLED BY GENERAL CONTRACTOR)
(C3) SINGLE-GANG BACK BOX MOUNTED HORIZONTALLY (PROVIDED AND INSTALLED BY GENERAL CONTRACTOR)



DEVICE ELEVATION

(D1) RECESSED DOOR CONTACT (1" DIAMETER) MAGNASPHERE MSS-301C – 10301.1 (BY MCDEAN)
(D2) PIR REQUEST TO EXIT KANTECH T.REX-LT – 10331.1 (BY MCDEAN)
(D3) PIR REX TRIM PLATE KANTECH T.REX-PLATE – 10331.2 (BY MCDEAN)

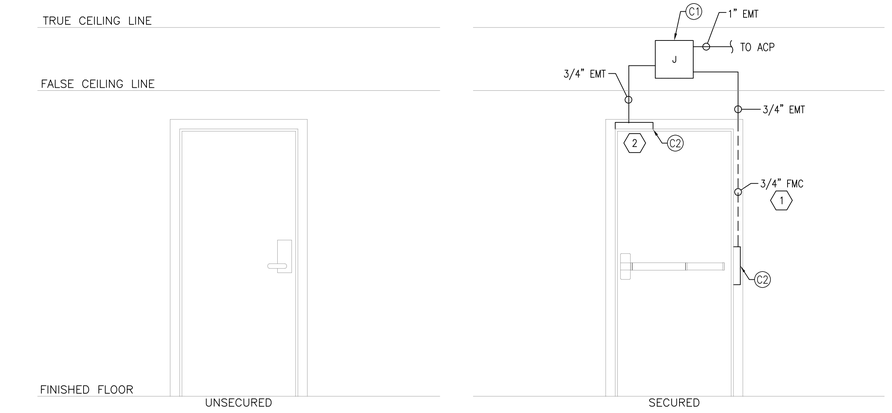
1 DD-02 (DC/DC/REX) DOOR ELEVATION
SCALE: 1/2" = 1'-0"

GENERAL NOTES:

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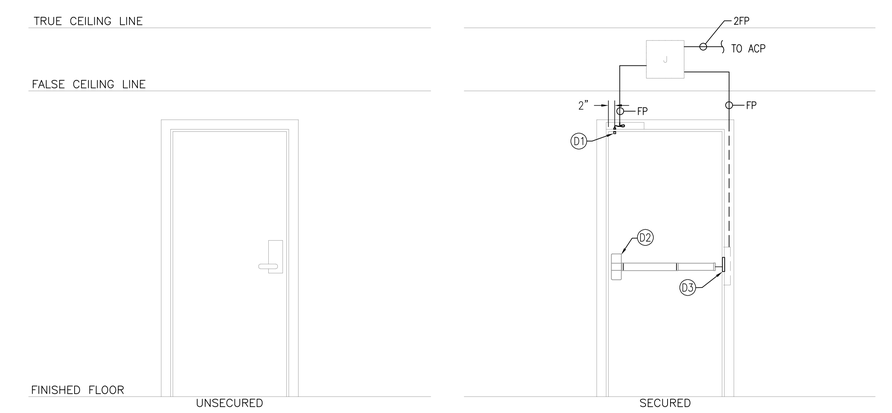
KEYNOTES:

(1) PROVIDE THREADED COUPLING INSIDE ROUGH OPENING FOR TRANSITION TO FLEXIBLE CONDUIT.
(2) GC TO PREPARE DOOR AND FRAME ACCORDING TO MANUFACTURER INSTRUCTIONS AND DOOR CONTACT MOUNTING DETAIL SHOWN ON SHEET Y575



CONDUIT ELEVATION

(C1) DOOR JUNCTION BOX (PROVIDED AND INSTALLED BY GENERAL CONTRACTOR)
(C2) GROUT BOX (PROVIDED AND INSTALLED BY GENERAL CONTRACTOR)



DEVICE ELEVATION

(D1) RECESSED DOOR CONTACT (1" DIAMETER) MAGNASPHERE MSS-301C – 10301.1 (BY MCDEAN)
(D2) VON DUPRIN CHEXIT DELAYED EXIT DEVICE (PROVIDED AND INSTALLED BY GENERAL CONTRACTOR)
(D3) POWER TRANSFER HINGE (PROVIDED AND INSTALLED BY GENERAL CONTRACTOR)

2 SD-05D (DC AND DELAYED EGRESS DEVICE) DOOR ELEVATION
SCALE: 1/2" = 1'-0"

CABLE INDEX

SYM	DESCRIPTION	SYM	DESCRIPTION
EP	2C, WALL FIELD WIRING	EU	18AWG/2C, OVERALL SHIELDED, OUTDOOR WCW P/N 714110VNQ
FP	18AWG/4C, UNSHIELDED, PLENUM WCW P/N 442380	QU	18AWG/4C, OVERALL SHIELDED, OUTDOOR WCW P/N 714310VNQ
MP	16AWG/4C, OVERALL SHIELDED, PLENUM WCW P/N 441340	MU	16AWG/4C, OVERALL SHIELDED, OUTDOOR WCW P/N 713310VNQ
RP	18AWG/1P, SHIELDED, STRD, PLENUM WCW P/N 052000LC	RU	18AWG/1P, SHIELDED, STRD, OUTDOOR WCW P/N 108760DB
SP	22AWG/1P,SHLD & 18AWG/2C,UNS,PLNM WCW P/N CRESCOMP-WHT		
LC	CAT6 PATCH CORD, C2G		
LP	CAT6, UTP, PLENUM WCW P/N 556600	LU	CAT6, UTP, OUTDOOR WCW P/N 775600-110DB
XP	CAT6, UTP, LONG-DISTANCE, PLENUM GAMECHANGER P/N 258300310	XU	CAT6, UTP, LONG-DISTANCE, OUTDOOR GAMECHANGER P/N 258330804
BP	DUPLEX OM3 FIBER PATCH CORD, C2G	AU	6-STR OM3 FIBER, INDOOR/OUTDOOR CORNING P/N 006T8P-31180-29
V	VENDOR/MANUFACTURER SUPPLIED CABLE		

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHERN REGION — ATLANTA, GA

ASHEVILLE ATCT-TRACON
SECURITY SYSTEM DESIGN
DOORS DD-02 AND SD-05D ELEVATIONS

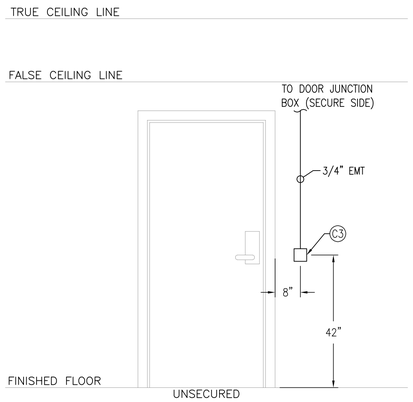
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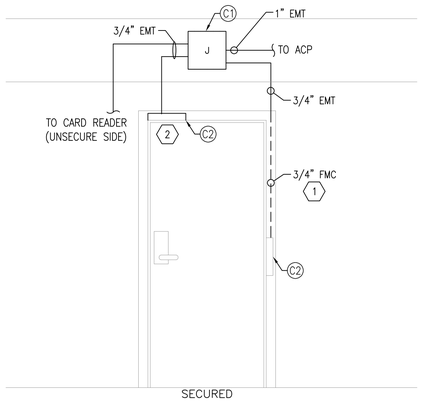
MC DEAN BUILDING INTELLIGENCE
SECURITY AND ELECTRONIC SYSTEMS DIVISION
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ASHEVILLE — AVL — NC

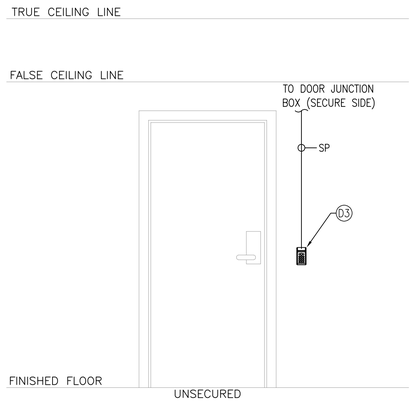
REVIEWED BY	SUBMITTED BY	APPROVED BY
	ANDREW MILHOLLIN	
	ALTERNATE TECHNICAL REPRESENTATIVE	
DESIGNED BY: A. VOGLER	ISSUED BY: M.C. DEAN, INC.	DATE: 05/17/2023 JCN
DRAWN BY: J. CUNNINGHAM		DRAWING NUMBER: AVL-D-ATCT-Y451 REV: –
CHECKED BY: S. MILLER		

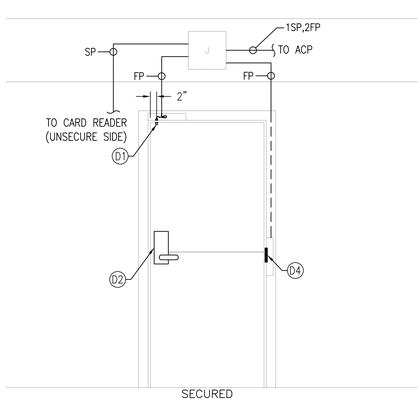




CONDUIT ELEVATION

C1 DOOR JUNCTION BOX (PROVIDED AND INSTALLED BY GENERAL CONTRACTOR)
C2 GROUT BOX (PROVIDED AND INSTALLED BY GENERAL CONTRACTOR)
C3 4" SQUARE 2 1/8" DEEP JUNCTION BOX WITH SINGLE-GANG MUDRING (PROVIDED AND INSTALLED BY GENERAL CONTRACTOR)





DEVICE ELEVATION

D1 RECESSED DOOR CONTACT (1" DIAMETER) MAGNASPHERE MSS-301C - 10301.1 (BY MCDEAN)
D2 ELECTRIFIED LOCK (PROVIDED AND INSTALLED BY GENERAL CONTRACTOR)
D3 CARD READER W/ KEYPAD LENEL (VERIDT) 900W2036-QXYON - 10160 (BY MCDEAN)
D4 POWER TRANSFER HINGE (PROVIDED BY GENERAL CONTRACTOR)

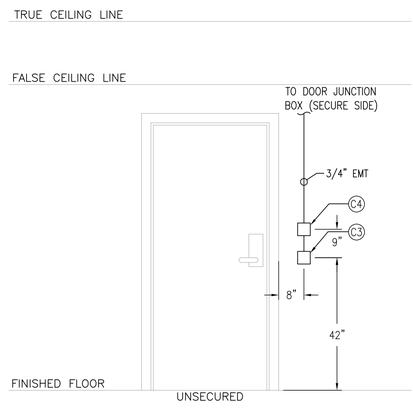
1 SD-21 (R/EL/PTH/DC) DOOR ELEVATION
SCALE: 1/2" = 1'-0"

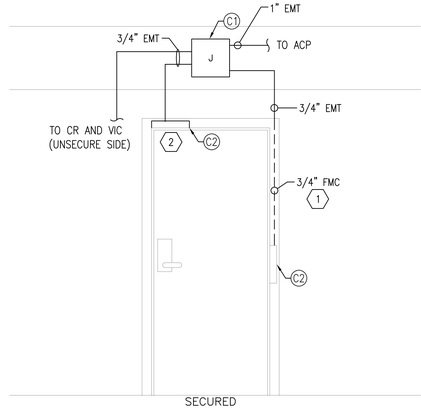
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KEYNOTES:

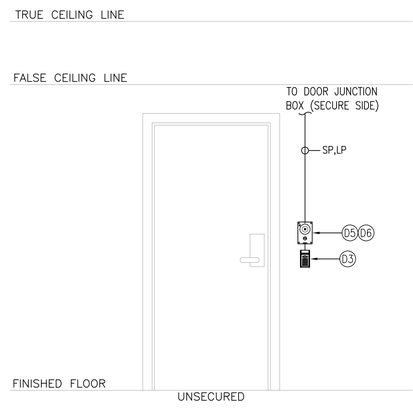
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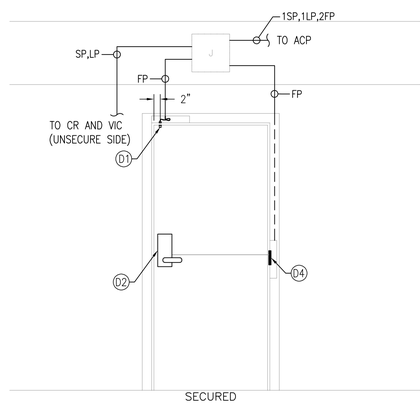




CONDUIT ELEVATION

C1 DOOR JUNCTION BOX (PROVIDED AND INSTALLED BY GENERAL CONTRACTOR)
C2 GROUT BOX (PROVIDED AND INSTALLED BY GENERAL CONTRACTOR)
C3 4" SQUARE 2 1/8" DEEP JUNCTION BOX WITH SINGLE-GANG MUDRING (PROVIDED AND INSTALLED BY GENERAL CONTRACTOR)
C4 2-GANG 3 1/2" DEEP BACK BOX WITH 2-GANG MUD RING (PROVIDED AND INSTALLED BY GENERAL CONTRACTOR)





DEVICE ELEVATION

D1 RECESSED DOOR CONTACT (1" DIAMETER) MAGNASPHERE MSS-301C - 10301.1 (BY MCDEAN)
D2 ELECTRIFIED LOCK (PROVIDED AND INSTALLED BY GENERAL CONTRACTOR)
D3 CARD READER W/ KEYPAD LENEL (VERIDT) 900W2036-QXYON - 10160 (BY MCDEAN)
D4 POWER TRANSFER HINGE - (PROVIDED BY GENERAL CONTRACTOR)
D5 IP VIDEO INTERCOM STATION ZENITEL TCIV-3+ - 40027 (BY MCDEAN)
D6 2-GANG BACK BOX BRACKET ZENITEL TA-5 - 40015 (BY MCDEAN)

2 SD-21 (R/EL/PTH/DC) & VIC DOOR ELEVATION
SCALE: 1/2" = 1'-0"

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–	05/17/23	95% DRAWING FINAL			
–	07/19/22	ISSUED FOR 95% DRAWING REVIEW			

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHERN REGION — ATLANTA, GA

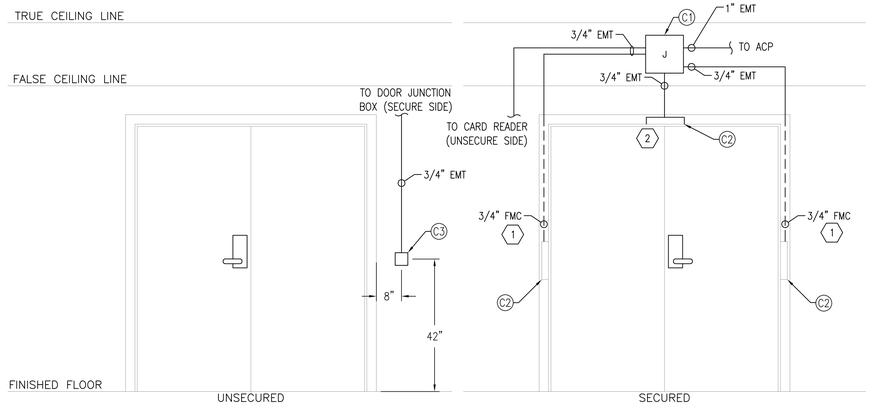
ASHEVILLE ATCT-TRACON
SECURITY SYSTEM DESIGN
DOORS SD-21 AND SD-21 & VIC ELEVATIONS

SCALE: 1/2"=1'-0" 2' 1' 0 1' 2' 3' 4'

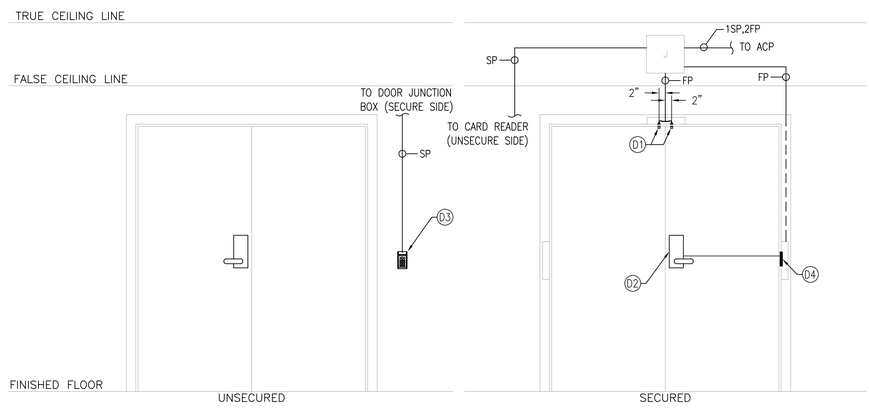
M.C. DEAN
BUILDING INTELLIGENCE
SECURITY AND ELECTRONIC SYSTEMS DIVISION
1765 GREENSBORO STATION PL.
TYSONS, VA 22102
TEL: 703-802-6231
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ASHEVILLE	AVL	NC
REVIEWED BY	SUBMITTED BY: ANDREW MILHOLLIN	APPROVED BY
	ALTERNATE TECHNICAL REPRESENTATIVE	
	DESIGNED BY: A. VOGLER	ISSUED BY: M.C. DEAN, INC.
	DRAWN BY: J. CUNNINGHAM	DATE: 05/17/2023 JCN
	CHECKED BY: S. MILLER	DRAWING NUMBER: AVL-D-ATCT-Y452 REV: –



CONDUIT ELEVATION



DEVICE ELEVATION

C1 DOOR JUNCTION BOX (PROVIDED AND INSTALLED BY GENERAL CONTRACTOR)
C2 GROUT BOX (PROVIDED AND INSTALLED BY GENERAL CONTRACTOR)
C3 4" SQUARE 2 1/8" DEEP JUNCTION BOX WITH SINGLE-GANG MUDRING (PROVIDED AND INSTALLED BY GENERAL CONTRACTOR)

D1 RECESSED DOOR CONTACT (1" DIAMETER) MAGNASPHERE MSS-301C - 10301.1 (BY MCDEAN)
D2 ELECTRIFIED LOCK (PROVIDED AND INSTALLED BY GENERAL CONTRACTOR)
D3 CARD READER W/ KEYPAD LENEL (VERIDT) 900W2036-QXYON - 10160 (BY MCDEAN)
D4 POWER TRANSFER HINGE (PROVIDED AND INSTALLED BY GENERAL CONTRACTOR)

1 DD-21 (R/EL/PTH/DC/DC) DOOR ELEVATION

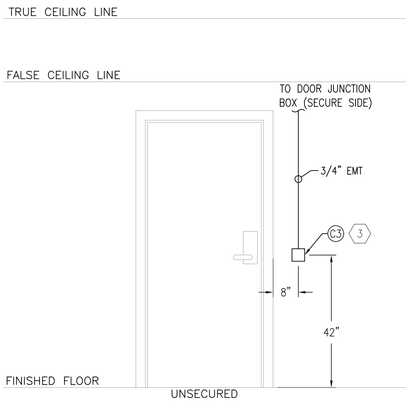
SCALE: 1/2" = 1'-0"

GENERAL NOTES:

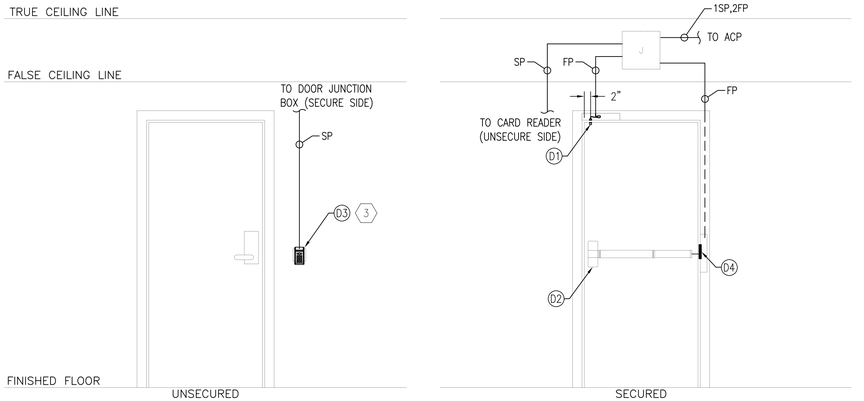
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2. CONCEAL CONDUITS WITHIN WALLS AND ABOVE CEILINGS WHERE FEASIBLE.
3. LOCATE DEVICE(S) WHERE INDICATED ON SECURITY DEVICE PLACEMENT FLOOR PLANS. WHERE WALL SPACE DOES NOT ALLOW FOR DEVICE(S) TO BE PLACED PER DOOR ELEVATION DESIGN, FIELD COORDINATE LOCATION OF DEVICE(S).
4. WHERE NO SUSPENDED CEILING EXISTS, MOUNT DOOR JUNCTION BOX 24" ABOVE DOOR FRAME.
5. ALL GENERAL DOOR ELEVATION DETAILS REPRESENT INSTALLATION OF LEFT-HANDED DOORS. MIRROR ELEVATION DEVICE PLACEMENT FOR RIGHT-HANDED DOORS.
6. MAXIMUM CONDUIT FILL IS 40% OF THE TOTAL AVAILABLE CONDUIT SPACE.
7. ALL CONDUIT PULL BOXES MUST BE SECURED WITH TAMPER PROOF SCREWS.

KEYNOTES:

1. PROVIDE THREADED COUPLING INSIDE ROUGH OPENING FOR TRANSITION TO FLEXIBLE CONDUIT.
2. GC TO PREPARE DOOR AND FRAME ACCORDING TO MANUFACTURER INSTRUCTIONS AND DOOR CONTACT MOUNTING DETAIL SHOWN ON SHEET Y575.
3. CARD READER FOR TECH STORAGE WORKSPACE DOOR 137B TO BE MOUNTED ON ADJACENT EXTERIOR WALL.



CONDUIT ELEVATION



DEVICE ELEVATION

C1 DOOR JUNCTION BOX (PROVIDED AND INSTALLED BY GENERAL CONTRACTOR)
C2 GROUT BOX (PROVIDED AND INSTALLED BY GENERAL CONTRACTOR)
C3 4" SQUARE 2 1/8" DEEP JUNCTION BOX WITH SINGLE-GANG MUDRING (PROVIDED AND INSTALLED BY GENERAL CONTRACTOR)

D1 RECESSED DOOR CONTACT (1" DIAMETER) MAGNASPHERE MSS-301C - 10301.1 (BY MCDEAN)
D2 ELECTRIFIED LOW CURRENT LATCH RETRACTOR WITH BUILT IN REX (PROVIDED AND INSTALLED BY GENERAL CONTRACTOR)
D3 CARD READER W/ KEYPAD LENEL (VERIDT) 900W2036-QXYON - 10160 (BY MCDEAN)
D4 POWER TRANSFER HINGE (PROVIDED BY GENERAL CONTRACTOR)

2 SD-28 (R/QEL/PTH/DC) DOOR ELEVATION

SCALE: 1/2" = 1'-0"

CABLE INDEX

SYM	DESCRIPTION	SYM	DESCRIPTION
EP	2C, WALL FIELD WIRING	EU	18AWG/2C, OVERALL SHIELDED, OUTDOOR WCW P/N 714110VNQ
FP	18AWG/4C, UNSHIELDED, PLENUM WCW P/N 442380	QU	18AWG/4C, OVERALL SHIELDED, OUTDOOR WCW P/N 714310VNQ
MP	16AWG/4C, OVERALL SHIELDED, PLENUM WCW P/N 441340	MU	16AWG/4C, OVERALL SHIELDED, OUTDOOR WCW P/N 713310VNQ
RP	18AWG/1P, SHIELDED, STRD, PLENUM WCW P/N 052000LC	RU	18AWG/1P, SHIELDED, STRD, OUTDOOR WCW P/N 108760DB
SP	22AWG/1P,SHLD & 18AWG/2C,UNS,PLNM WCW P/N CRESCOMP-WHT		
LC	CAT6 PATCH CORD, C2G		
LP	CAT6, UTP, PLENUM WCW P/N 556600	LU	CAT6, UTP, OUTDOOR WCW P/N 775600-110DB
XP	CAT6, UTP, LONG-DISTANCE, PLENUM GAMECHANGER P/N 258300310	XU	CAT6, UTP, LONG-DISTANCE, OUTDOOR GAMECHANGER P/N 258330804
BP	DUPLEX OM3 FIBER PATCH CORD, C2G	AU	6-STR OM3 FIBER, INDOOR/OUTDOOR CORNING P/N 006T8P-31180-29
V	VENDOR/MANUFACTURER SUPPLIED CABLE		

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DEPARTMENT OF TRANSPORTATION
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SOUTHERN REGION — ATLANTA, GA

ASHEVILLE ATCT-TRACON
SECURITY SYSTEM DESIGN
DOORS DD-21 AND SD-28 ELEVATIONS

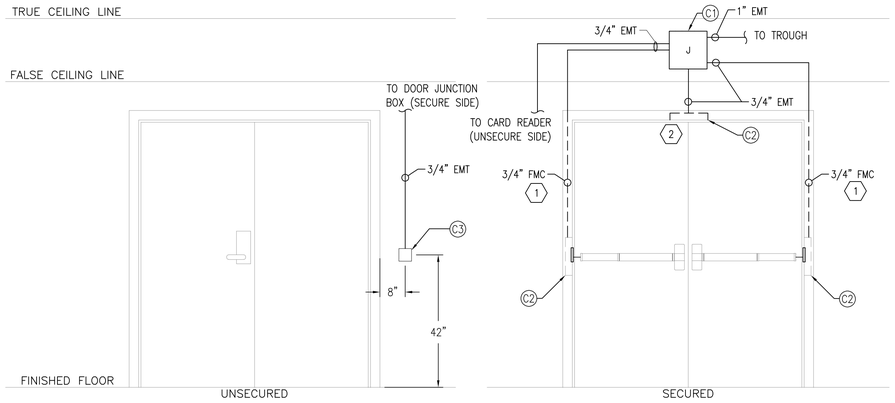
ASHEVILLE — AVL — NC

SCALE: 1/2"=1'-0" 2' 1' 0 1' 2' 3' 4'

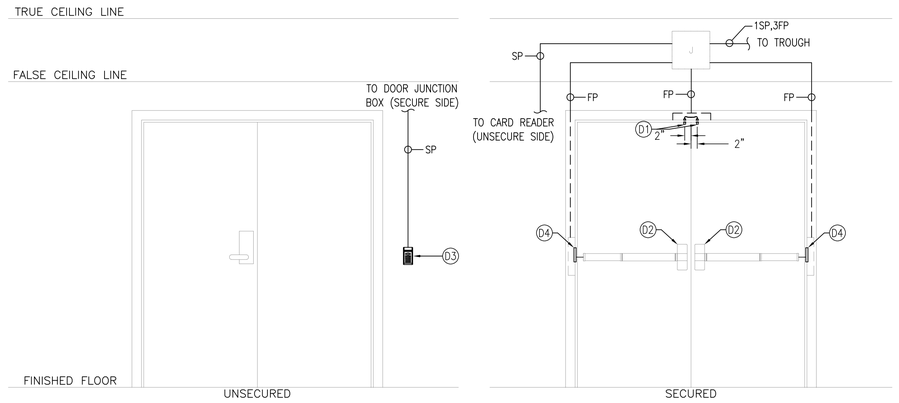
MC.DEAN BUILDING INTELLIGENCE
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REVIEWED BY	SUBMITTED BY	APPROVED BY
	ANDREW MILHOLLIN	
	ALTERNATE TECHNICAL REPRESENTATIVE	
DESIGNED BY: A. VOGLER	ISSUED BY: M.C. DEAN, INC.	DATE: 05/17/2023 JCN:
DRAWN BY: J. CUNNINGHAM		DRAWING NUMBER: AVL-D-ATCT-Y453 REV: –
CHECKED BY: S. MILLER		



CONDUIT ELEVATION



DEVICE ELEVATION

(C1) DOOR JUNCTION BOX (PROVIDED AND INSTALLED BY GENERAL CONTRACTOR)
(C2) GROUT BOX (PROVIDED AND INSTALLED BY GENERAL CONTRACTOR)
(C3) 4" SQUARE 2 1/8" DEEP JUNCTION BOX WITH SINGLE-GANG MUDRING (PROVIDED AND INSTALLED BY GENERAL CONTRACTOR)

(D1) RECESSED DOOR CONTACT (1" DIAMETER) MAGNASPHERE MSS-301C - 10301.1 (BY MCDEAN)
(D2) ELECTRIFIED LOW VOLTAGE LATCH RETRACTOR (PROVIDED AND INSTALLED BY GENERAL CONTRACTOR)
(D3) CARD READER W/ KEYPAD LENEL (VERIDT) 900W2036-QXYON - 10160 (BY MCDEAN)
(D4) POWER TRANSFER HINGE (PROVIDED AND INSTALLED BY GENERAL CONTRACTOR)

1 DD-28A (R/QEL/PTH/DC/DC) DOOR ELEVATION
SCALE: 1/2" = 1'-0"

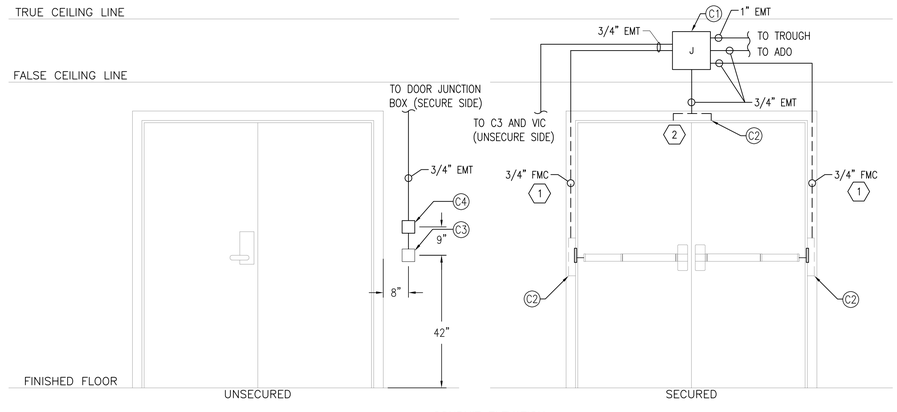
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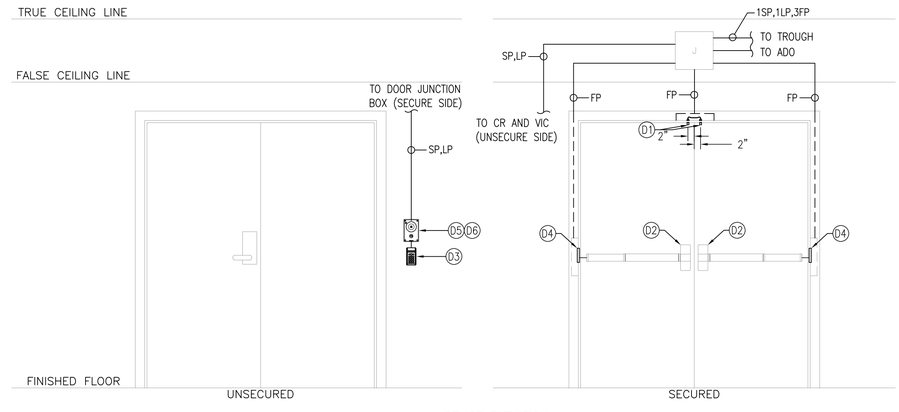
KEYNOTES:

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(2) GC TO PREPARE DOOR AND FRAME ACCORDING TO MANUFACTURER INSTRUCTIONS AND DOOR CONTACT MOUNTING DETAIL SHOWN ON SHEET Y575



CONDUIT ELEVATION



DEVICE ELEVATION

(C1) DOOR JUNCTION BOX (PROVIDED AND INSTALLED BY GENERAL CONTRACTOR)
(C2) GROUT BOX (PROVIDED AND INSTALLED BY GENERAL CONTRACTOR)
(C3) 4" SQUARE 2 1/8" DEEP JUNCTION BOX WITH SINGLE-GANG MUDRING (PROVIDED AND INSTALLED BY GENERAL CONTRACTOR)
(C4) 2-GANG 3 1/2" DEEP BACK BOX WITH 2-GANG MUD RING (PROVIDED AND INSTALLED BY GENERAL CONTRACTOR)

(D1) RECESSED DOOR CONTACT (1" DIAMETER) MAGNASPHERE MSS-301C - 10301.1 (BY MCDEAN)
(D2) ELECTRIFIED LOW VOLTAGE LATCH RETRACTOR (PROVIDED AND INSTALLED BY GENERAL CONTRACTOR)
(D3) CARD READER W/ KEYPAD LENEL (VERIDT) 900W2036-QXYON - 10160 (BY MCDEAN)
(D4) POWER TRANSFER HINGE (PROVIDED AND INSTALLED BY GENERAL CONTRACTOR)
(D5) IP VIDEO INTERCOM STATION ZENITEL TCIV-3+ - 40027 (BY MCDEAN)
(D6) 2-GANG BACK BOX BRACKET ZENITEL TA-5 - 40015 (BY MCDEAN)

2 DD-28A (R/QEL/PTH/DC/DC) & VIC DOOR ELEVATION
SCALE: 1/2" = 1'-0"

CABLE INDEX

SYM	DESCRIPTION	SYM	DESCRIPTION
EP	2C, WALL FIELD WIRING	EU	18AWG/2C, OVERALL SHIELDED, OUTDOOR WCW P/N 714110VNQ
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MP	16AWG/4C, OVERALL SHIELDED, PLENUM WCW P/N 441340	MU	16AWG/4C, OVERALL SHIELDED, OUTDOOR WCW P/N 713310VNQ
RP	18AWG/1P, SHIELDED, STRD, PLENUM WCW P/N 052000LC	RU	18AWG/1P, SHIELDED, STRD, OUTDOOR WCW P/N 108760DB
SP	22AWG/1P,SHLD & 18AWG/2C,UNS,PLNM WCW P/N CRESCOMP-WHT		
LC	CAT6 PATCH CORD, C2G		
LP	CAT6, UTP, PLENUM WCW P/N 556600	LU	CAT6, UTP, OUTDOOR WCW P/N 775600-110DB
XP	CAT6, UTP, LONG-DISTANCE, PLENUM GAMECHANGER P/N 258300310	XU	CAT6, UTP, LONG-DISTANCE, OUTDOOR GAMECHANGER P/N 258330804
BP	DUPLEX OM3 FIBER PATCH CORD, C2G	AU	6-STR OM3 FIBER, INDOOR/OUTDOOR CORNING P/N 006T8P-31180-29
V	VENDOR/MANUFACTURER SUPPLIED CABLE		

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHERN REGION — ATLANTA, GA

ASHEVILLE ATCT-TRACON
SECURITY SYSTEM DESIGN
DD-28A AND DD-28A & VIC ELEVATIONS

ASHEVILLE — AVL — NC

SCALE: 1/2"=1'-0" (2' 1' 0 1' 2' 3' 4')

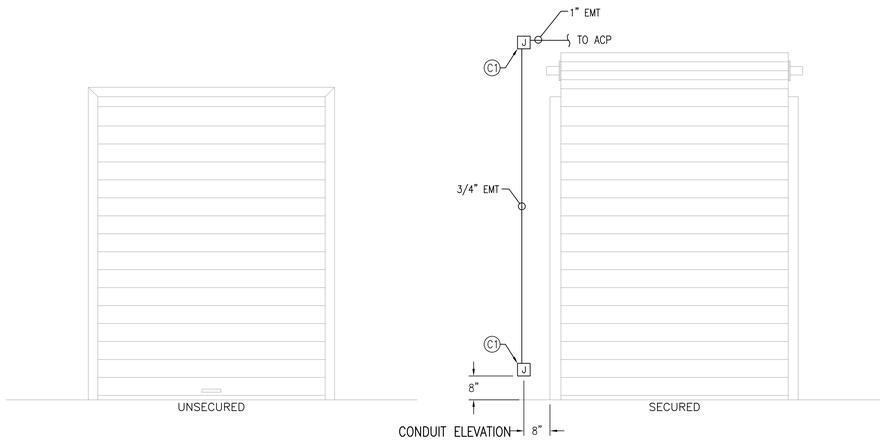
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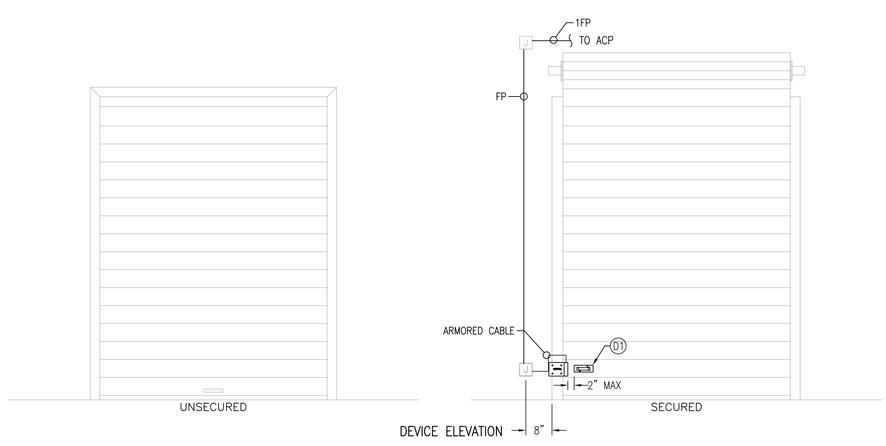
REVIEWED BY	SUBMITTED BY	APPROVED BY
	ANDREW MILHOLLIN	
	ALTERNATE TECHNICAL REPRESENTATIVE	
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DRAWN BY: J. CUNNINGHAM		DRAWING NUMBER: AVL-D-ATCT-Y454 REV: –
CHECKED BY: S. MILLER		

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C1 DOOR JUNCTION BOX (PROVIDED AND INSTALLED BY GENERAL CONTRACTOR)



D1 ROLL–UP DOOR CONTACT EDWARDS SIGNALING 2304A–L – 10330.1 (BY MCDEAN)

1 RU–01 (DC ONLY) DOOR ELEVATION
SCALE: 1/2" = 1'–0"

CABLE INDEX

SYM	DESCRIPTION	SYM	DESCRIPTION
EP	2C, WALL FIELD WIRING	EU	18AWG/2C, OVERALL SHIELDED, OUTDOOR WCW P/N 714110VNQ
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RP	18AWG/1P, SHIELDED, STRD, PLENUM WCW P/N 052000LC	RU	18AWG/1P, SHIELDED, STRD, OUTDOOR WCW P/N 108760DB
SP	22AWG/1P,SHLD & 18AWG/2C,UNS,PLNM WCW P/N CRESCOMP–WHT		
LC	CAT6 PATCH CORD, C2G		
LP	CAT6, UTP, PLENUM WCW P/N 556600	LU	CAT6, UTP, OUTDOOR WCW P/N 775600–110DB
XP	CAT6, UTP, LONG–DISTANCE, PLENUM GAMECHANGER P/N 258300310	XU	CAT6, UTP, LONG–DISTANCE, OUTDOOR GAMECHANGER P/N 258330804
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SOUTHERN REGION — ATLANTA, GA

ASHEVILLE ATCT–TRACON
SECURITY SYSTEM DESIGN
DOOR RU–01 ELEVATION

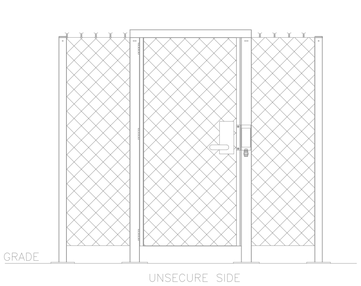
ASHEVILLE — AVL — NC

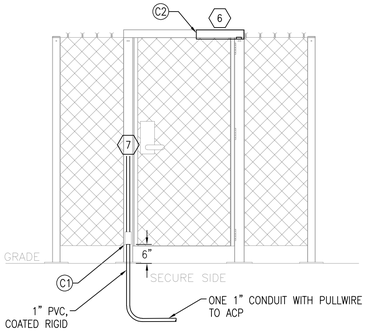
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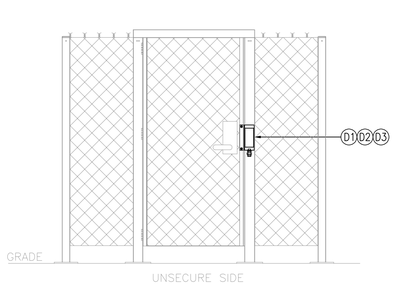
REVIEWED BY		SUBMITTED BY	APPROVED BY
		ANDREW MILHOLLIN	
		ALTERNATE TECHNICAL REPRESENTATIVE	
		DESIGNED BY A. VOGLER / ISSUED BY M.C. DEAN, INC.	DATE 05/17/2023 JCN
		DRAWN BY J. CUNNINGHAM	DRAWING NUMBER AVL–D–ATCT–Y455 REV –
		CHECKED BY S. MILLER	

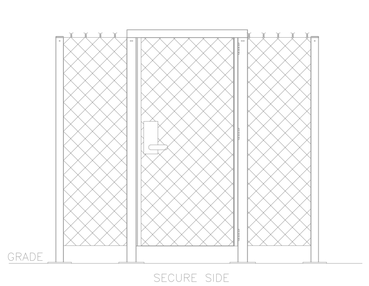




CONDUIT ELEVATION

(C1) LB TYPE OUTLET BODY (PROVIDED AND INSTALLED BY GENERAL CONTRACTOR)
(C2) MECHANICAL GATE CLOSER (PROVIDED AND INSTALLED BY GENERAL CONTRACTOR)





DEVICE ELEVATION

(D1) ELECTRO–MECHANICAL LOCK W/ DPS SECURITRON GL1–FLM – 10379
(D2) MORTISE CYLINDER FOR GATE LOCK BEST 1E74–C181–RP811–626 – 10379.1
(D3) MOUNTING KIT SECURITRON FMK–SW – 10378

1 G–32 (R/EL/PTE) PEDESTRIAN GATE ELEVATION (5)
SCALE: 1/2" = 1'–0"

GENERAL NOTES:

1 ALL CONDUIT IS PROVIDED AND INSTALLED BY THE GENERAL CONTRACTOR, UNLESS OTHERWISE NOTED.

KEYNOTES:

(1) THE PEDESTAL BASEPLATE HOLES ACCOMMODATE 1/2" ANCHOR BOLTS ON 6" TO 6.5" TO CENTERS.

(2) THE PEDESTAL TO BE PROTECTED BY BOLLARD THAT WILL BE PROVIDED AND INSTALLED BY GENERAL CONTRACTOR. THE BOLLARD QUANTITY AND THEIR PLACEMENT IS DEPENDING ON PEDESTAL LOCATION AND SURROUNDINGS. REFER TO THE CIVIL DRAWINGS FOR EXACT LOCATIONS.

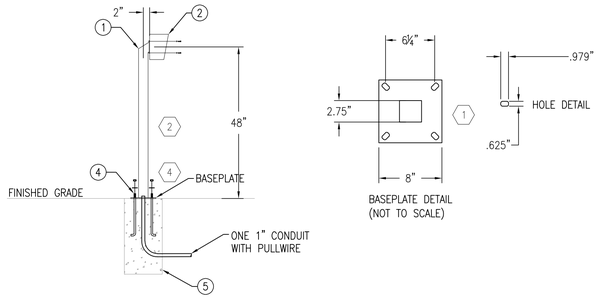
(3) EGRESS BY PUSH–TO–EXIT BUTTON LOCATED ON PEDESTRIAN PEDESTAL.

(4) BOLT PEDESTAL GROUND TO PEDESTAL AND CAD WELD TO SITE/SECURITY FENCE GROUND SYSTEM.

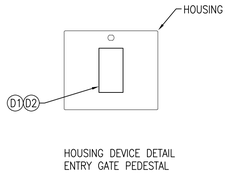
(5) GATE MUST SWING INTO UNSECURE SPACE TO ALLOW FOR ACCESS TO KEY OVERRIDE.

(6) GENERAL CONTRACTOR TO PROVIDE AND INSTALL GATE CLOSER.

(7) CONDUIT FOR ELECTRO–MECHANICAL LOCK MOUNTED ON UNSECURE SIDE OF GATE.



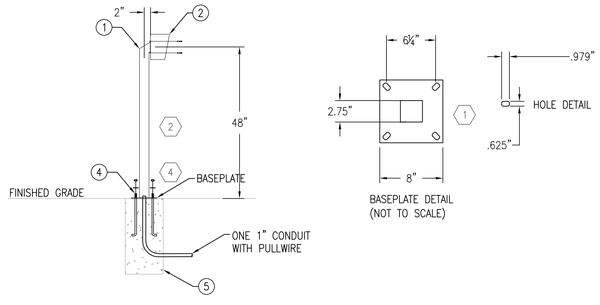
BASEPLATE DETAIL (NOT TO SCALE)



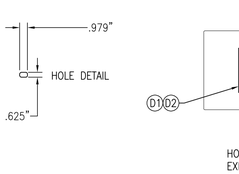
HOUSING DEVICE DETAIL ENTRY GATE PEDESTAL (NOT TO SCALE)

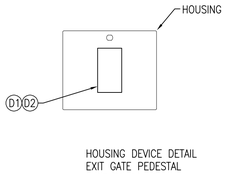
(1) 48" PEDESTRIAN PEDESTAL PARAGON S3S30248B – 100010 (BY MCDEAN)
(2) 10"X8"X6" PEDESTAL HOUSING PARAGON H100806S25G01B–HNG – 100020 (BY MCDEAN)
(3) 1/2" ANCHOR BOLT (PROVIDED AND INSTALLED BY GENERAL CONTRACTOR)
(4) CONCRETE BASE 12"L X 12"W X 24"D (PROVIDED AND INSTALLED BY GENERAL CONTRACTOR)
(D1) CARD READER W/ KEYPAD LENEL (VERIDT) 900W2036–QXYON – 10160 (BY MCDEAN)
(D2) BACK BOX 7/8" EXTENDER – VERIDT 862–200100 – 10161 (BY MCDEAN)

2 PEDESTRIAN GATE ENTRY PEDESTAL ELEVATION
SCALE: 1/2" = 1'–0"



BASEPLATE DETAIL (NOT TO SCALE)





HOUSING DEVICE DETAIL EXIT GATE PEDESTAL (NOT TO SCALE)

(1) 48" PEDESTRIAN PEDESTAL PARAGON S3S30248B – 100010 (BY MCDEAN)
(2) 10"X8"X6" PEDESTAL HOUSING PARAGON H100806S25G01B–HNG – 100020 (BY MCDEAN)
(3) 1/2" ANCHOR BOLT (PROVIDED AND INSTALLED BY GENERAL CONTRACTOR)
(4) CONCRETE BASE 12"L X 12"W X 24"D (PROVIDED AND INSTALLED BY GENERAL CONTRACTOR)
(D1) PTE PUSH BUTTON STI UB–2 – 10332.1 (BY MCDEAN)
(D2) CLEAR COVER FOR PTE BUTTON STI STI–6518 – 10332.2 (BY MCDEAN)

3 PEDESTRIAN GATE EXIT PEDESTAL ELEVATION (3)
SCALE: 1/2" = 1'–0"

CABLE INDEX

SYM	DESCRIPTION	SYM	DESCRIPTION
EP	2C, WALL FIELD WIRING	EU	18AWG/2C, OVERALL SHIELDED, OUTDOOR WCW P/N 714110VNQ
FP	18AWG/4C, UNSHIELDED, PLENUM WCW P/N 442380	QU	18AWG/4C, OVERALL SHIELDED, OUTDOOR WCW P/N 714310VNQ
MP	16AWG/4C, OVERALL SHIELDED, PLENUM WCW P/N 441340	MU	16AWG/4C, OVERALL SHIELDED, OUTDOOR WCW P/N 713310VNQ
RP	18AWG/1P, SHIELDED, STRD, PLENUM WCW P/N 052000LC	RU	18AWG/1P, SHIELDED, STRD, OUTDOOR WCW P/N 108760DB
SP	22AWG/1P,SHLD & 18AWG/2C,UNS,PLNM WCW P/N CRESCOMP–WHT		
LC	CAT6 PATCH CORD, C2G		
LP	CAT6, UTP, PLENUM WCW P/N 556600	LU	CAT6, UTP, OUTDOOR WCW P/N 775600–110DB
XP	CAT6, UTP, LONG–DISTANCE, PLENUM GAMECHANGER P/N 258300310	XU	CAT6, UTP, LONG–DISTANCE, OUTDOOR GAMECHANGER P/N 258330804
BP	DUPLEX OM3 FIBER PATCH CORD, C2G	AU	6–STR OM3 FIBER, INDOOR/OUTDOOR CORNING P/N 006T8P–31180–29
V	VENDOR/MANUFACTURER SUPPLIED CABLE		

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REV	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
–	05/17/23	95% DRAWING FINAL			
–	07/19/22	ISSUED FOR 95% DRAWING REVIEW			

SCALE: 1/2"=1'–0" 2' 1' 0 1' 2' 3' 4'

MC DEAN
BUILDING INTELLIGENCE
SECURITY AND ELECTRONIC SYSTEMS DIVISION
1765 GREENSBORO STATION PL.
TYSONS, VA 22102
TEL: 703–802–6231
WWW.MCDEAN.COM

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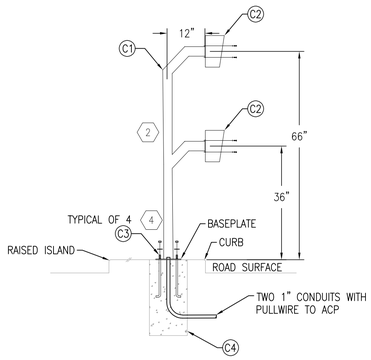
DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHERN REGION — ATLANTA, GA

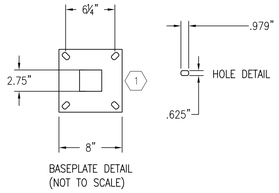
ASHEVILLE ATCT–TRACON
SECURITY SYSTEM DESIGN
PEDESTRIAN GATE G–32 AND PEDESTAL ELEVATIONS

ASHEVILLE — AVL — NC

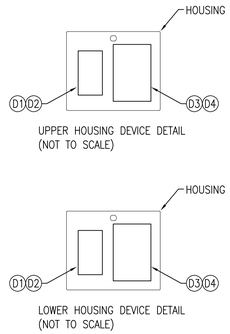
REVIEWED BY	SUBMITTED BY	APPROVED BY
	ANDREW MILHOLLIN	
	ALTERNATE TECHNICAL REPRESENTATIVE	

DESIGNED BY	ISSUED BY	DATE	JCN
A. VOGLER	M.C. DEAN, INC.	05/17/2023	
DRAWN BY: J. CUNNINGHAM		DRAWING NUMBER: AVL–D–ATCT–Y460	REV: –
CHECKED BY: S. MILLER			





BASEPLATE DETAIL
(NOT TO SCALE)



UPPER HOUSING DEVICE DETAIL
(NOT TO SCALE)

LOWER HOUSING DEVICE DETAIL
(NOT TO SCALE)

C1 66"/36" DUAL HEIGHT VEHICLE PEDESTAL PARAGON S3S41266/36B – 100013
C2 10"X12"X6" PEDESTAL HOUSING PARAGON H101206S25H23S152B–HNG – 100019
C3 1/2" ANCHOR BOLT
C4 CONCRETE BASE 12"L X 12"W X 24"D (PROVIDED AND INSTALLED BY GENERAL CONTRACTOR)

D1 CARD READER W/ KEYPAD LENEL (VERIDT) 900W2036–QXYON – 10160
D2 BACK BOX 7/8" EXTENDER – VERIDT 862–200100 – 10161
D3 IP VIDEO INTERCOM STATION ZENITEL TCIV–3+ – 40027
D4 2–GANG BACK BOX BRACKET ZENITEL TA–5 – 40015

1 VEHICLE ENTRY GATE PEDESTAL ELEVATION 3

SCALE: 1/2" = 1'–0"

GENERAL NOTES:

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KEYNOTES:

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3 EGRESS BY DUAL VEHICLE DETECTION LOOP INSTALLED BY GENERAL CONTRACTOR.

4 BOLT PEDESTAL GROUND TO PEDESTAL AND CAD WELD TO SITE/SECURITY FENCE GROUND SYSTEM.

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHERN REGION — ATLANTA, GA

ASHEVILLE ATCT–TRACON
SECURITY SYSTEM DESIGN
VEHICLE GATE ENTRY PEDESTAL ELEVATION

ASHEVILLE — AVL — NC

SCALE: NOT TO SCALE

MC DEAN BUILDING INTELLIGENCE SECURITY AND ELECTRONIC SYSTEMS DIVISION
1765 GREENSBORO STATION PL.
TYSONS, VA 22102
TEL: 703–802–6231
WWW.MCDEAN.COM

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REVIEWED BY	SUBMITTED BY	APPROVED BY
	ANDREW MILHOLLIN	
	ALTERNATE TECHNICAL REPRESENTATIVE	
	DESIGNED BY: A. VOGLER — ISSUED BY: M.C. DEAN, INC.	DATE: 05/17/2023 — JCN:
	DRAWN BY: J. CUNNINGHAM	DRAWING NUMBER: AVL–D–ATCT–Y461 — REV: –
	CHECKED BY: S. MILLER	

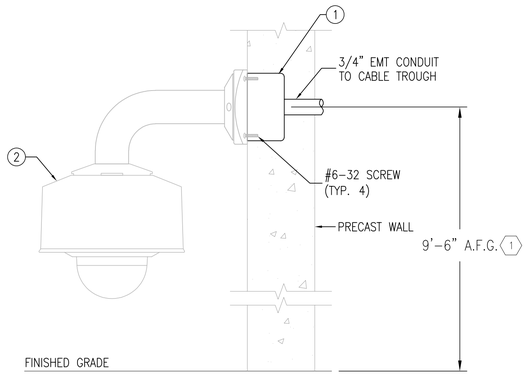
GENERAL NOTES:

1 ALL CONDUIT IS PROVIDED AND INSTALLED BY THE GENERAL CONTRACTOR, UNLESS OTHERWISE NOTED.

KEYNOTES:

(1) MOUNT EXTERIOR FIXED CAMERAS BELOW CANOPIES (IF PRESENT) TO PREVENT FIELD OF VIEW OBSTRUCTION.

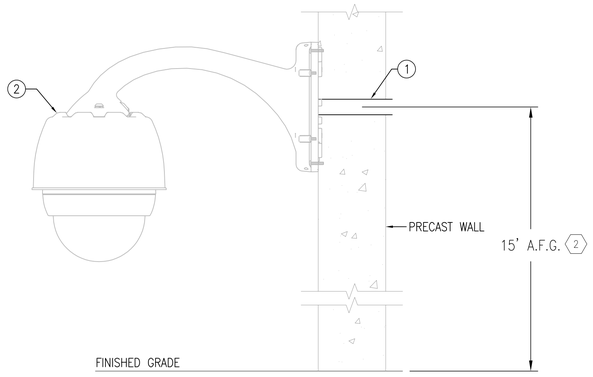
(2) MOUNT EXTERIOR PTZ CAMERA C2-GATE-EXT AT 15' A.F.G..



(1) 4" SQUARE 2 1/8" DEEP JUNCTION BOX WITH 2-GANG MUDRING (PROVIDED AND INSTALLED BY GENERAL CONTRACTOR)
(2) CAMERA AND MOUNTING EQUIPMENT (MCDEAN)

1 WALL MOUNTED EXTERIOR FIXED CAMERA ELEVATION

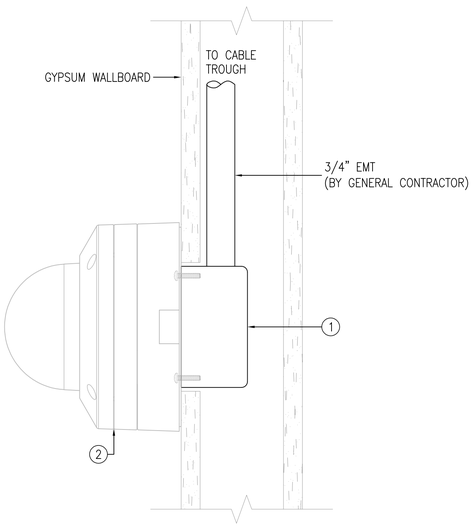
SCALE: NOT TO SCALE



(1) 3/4" CONDUIT SLEEVE (PROVIDED AND INSTALLED BY GENERAL CONTRACTOR)
(2) CAMERA AND MOUNTING EQUIPMENT (MCDEAN)

2 WALL MOUNTED EXTERIOR PTZ CAMERA ELEVATION

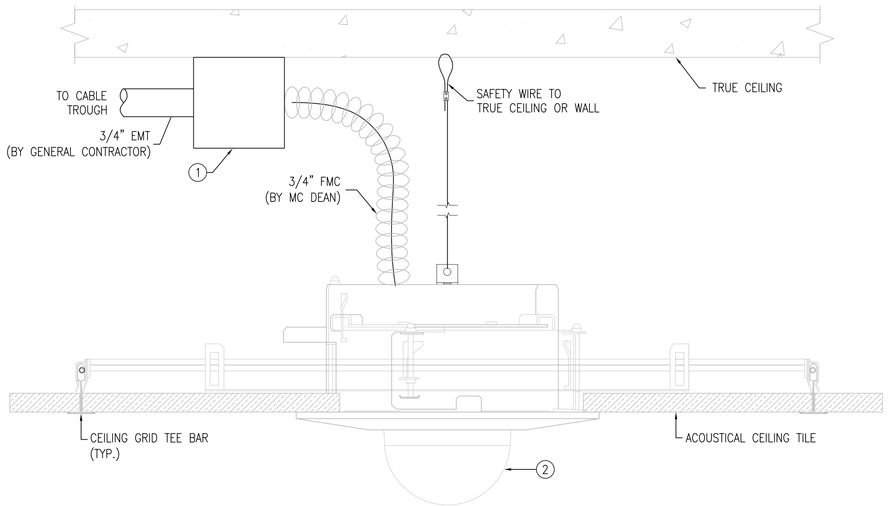
SCALE: NOT TO SCALE



(1) 4" SQUARE 2 1/8" DEEP JUNCTION BOX WITH 2-GANG MUDRING (PROVIDED AND INSTALLED BY GENERAL CONTRACTOR)
(2) CAMERA AND MOUNTING EQUIPMENT (MCDEAN)

3 WALL MOUNTED INTERIOR CAMERA ELEVATION

SCALE: NOT TO SCALE



(1) 4" SQUARE 2 1/8" DEEP JUNCTION BOX WITH COVER (PROVIDED AND INSTALLED BY GENERAL CONTRACTOR)
(2) CAMERA AND MOUNTING EQUIPMENT (MCDEAN)

4 DROP CEILING INTERIOR CAMERA ELEVATION

SCALE: NOT TO SCALE

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FEDERAL AVIATION ADMINISTRATION
SOUTHERN REGION — ATLANTA, GA

ASHEVILLE ATCT-TRACON
SECURITY SYSTEM DESIGN
INTERIOR AND EXTERIOR CAMERAS ELEVATIONS

SCALE: NOT TO SCALE

M.C. DEAN
BUILDING INTELLIGENCE
SECURITY AND ELECTRONIC SYSTEMS DIVISION
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ASHEVILLE — AVL — NC

REVIEWED BY

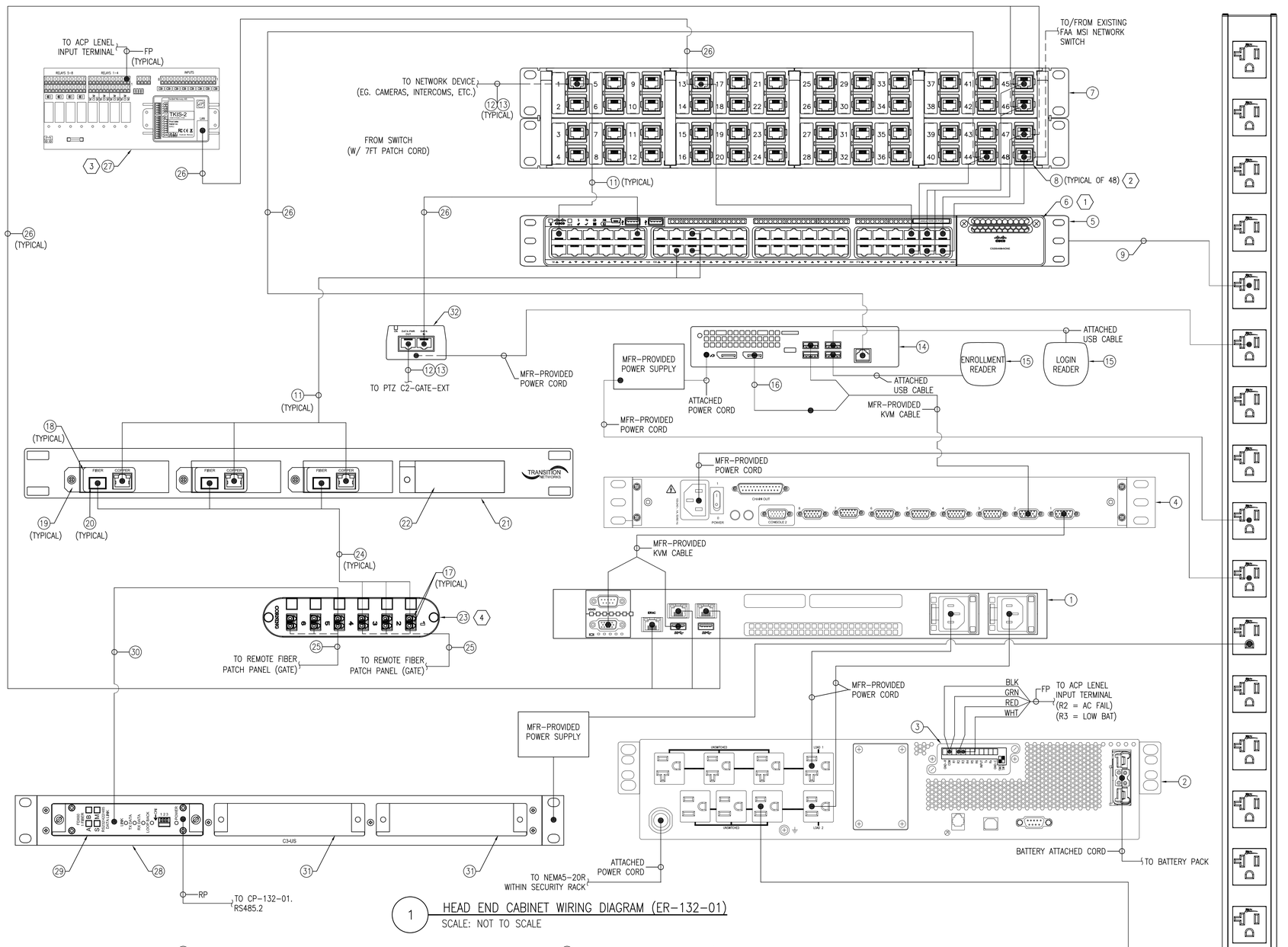
SUBMITTED BY: ANDREW MILHOLLIN, ALTERNATE TECHNICAL REPRESENTATIVE

APPROVED BY

DESIGNED BY: A. VOGLER
DRAWN BY: J. CUNNINGHAM
CHECKED BY: S. MILLER
ISSUED BY: M.C. DEAN, INC.

DATE: 05/17/2023 JCN

DRAWING NUMBER: AVL-D-ATCT-Y470 REV –



1 HEAD END CABINET WIRING DIAGRAM (ER-132-01)
SCALE: NOT TO SCALE

(1) VMS SERVER – GENETEC SV-2000E-1RM-24T-8-FAA – NS703
(2) UPS 2200VA, 120V, TAA – TRIPP-LITE SM2200RMXL2UTAA – 10261.4
(3) RELAY I/O CARD FOR UPS – TRIPP-LITE RELAYIOCARD – 10261.2
(4) KVM CONSOLE, 19", TAA – TRIPP-LITE B020-U08-19KTAA – 2100134
(5) NETWORK SWITCH, 48 POE PORTS – CISCO C9200-48P-E++ – 90203
(6) BLANK NETWORK MODULE – CISCO C9200-NM-NONE – 90205
(7) COPPER PATCH PANEL, MODULAR, 48P – COMMSCOPE 760207282 – 90344
(8) CAT6 MODULAR INSERTS – COMMSCOPE 760237777 – 90345
(9) POWER CABLE, NORTH AMERICA – CISCO CAB-TA-NA – 90206
(10) POWER STRIP – MIDDLE ATLANTIC PDT-1620C-NS – 2100140
(11) CAT6 PATCH CORD, 1FT – C2G 10312 – 90347
(12) CATEGORY 6 UTP, PLENUM – WINDY CITY WIRE 556600 – 90313
(13) RJ45 CONNECTOR FOR CAT6 CABLE – PLATINUM TOOLS 202044J – 90357
(14) WORKSTATION – DELL OPTIPLEX 7010 MICRO – NS708
(15) CONTACT SMART CARD READER – LENEL R31210349-1 – 10036
(16) DISPLAYPORT TO VGA ADAPTER – C2G 54323 – 90355
(17) LC UNICAM CONNECTOR, OM3/OM4 – CORNING 95-050-99-X – 90643
(18) POE FIBER MEDIA CONVERTER, 1GBPS MINI – TRANSITION NETWORKS M/GE-ISW-SFP-01-PD – 90648.4
(19) RACK MOUNT BRACKET, MINI – TRANSITION NETWORKS RMBM – 90648.6
(20) SFP TRANSCEIVER, LC MM 2-FIBER 1 GBPS – TRANSITION NETWORKS TN-GLC-SX-MM-RGD – 90648.2
(21) MEDIA CONVERTER SHELF, FIBER CARD CAGE – TRANSITION NETWORKS RMS19-SA4-02 – 90648.3
(22) MEDIA CONVERTER BLANK PANEL (INCLUDED WITH SHELF)
(23) 12 FIBER MODULE, LC, OM3/4 – CORNING CCH-CP12-E4 – 90642
(24) FIBER PATCH CORD, LC-LC, OM3 – C2G 11000 – 90356
(25) FIBER CABLE, OM3, 6-STR – CORNING 006T8P-31180-29 – NS109
(26) CAT6 PATCH CORD, 7FT – C2G 10315 – 90348
(27) IP LINE CONNECTION MODULE 8-PORT – ZENITEL 1008095201 – 40026
(28) FIBER CARD CAGE AND POWER SUPPLY (1RU) – COMNET C3-US – 90602
(29) FIBER TO RS485 MEDIA CONVERTER, 1 ST MM FIBER – COMNET FDX60M1B – 90647
(30) FIBER PATCH CORD, LC-ST, OM3 – C2G 11010 – 90356.1
(31) 1 SLOT BLANK PANEL FOR C1 CARD CAGE – COMNET C1-BP – 90603
(32) 60W POE INJECTOR, SINGLE PORT – BOSCH NPD-6001B – 30313

GENERAL NOTES:

1 THIS TYPICAL WIRING DIAGRAM THAT REPRESENTS HOW HEAD END CABINET IS WIRED. FOR REMOTE DEVICE MAPPING REFER TO NETWORK WIRING SHEET (Y570).

KEYNOTES:

(1) IN CASES WHERE FIBER CONNECTIVITY REQUIRED, ADDITIONAL FIBER NETWORK MODULE, CORRESPONDING SFP, AND FIBER CABLE WILL NEED TO BE PURCHASED AND INSTALLED.

(2) THE COPPER PATCH PANEL IS MODULAR DEVICE WITH CAT6 INSERTS. POPULATE ALL PORTS WITH CAT6 INSERTS.

(3) REFER TO DOOR WIRING DIAGRAMS FOR DETAILED WIRING OF INTERCOM RELAY AND ACP LENEL INPUT TERMINALS.

(4) MOUNT IN CORNING CLOSET CONNECTOR HOUSING CCH-01U. TERMINATE ALL FIBER STRANDS OF BULK CABLE ON FIBER CONNECTORS.

CABLE INDEX

SYM	DESCRIPTION	SYM	DESCRIPTION
EP	2C, WALL FIELD WIRING	EU	18AWG/2C, OVERALL SHIELDED, OUTDOOR WCW P/N 714110VNQ
FP	18AWG/4C, UNSHIELDED, PLENUM WCW P/N 442380	QU	18AWG/4C, OVERALL SHIELDED, OUTDOOR WCW P/N 714310VNQ
MP	16AWG/4C, OVERALL SHIELDED, PLENUM WCW P/N 441340	MU	16AWG/4C, OVERALL SHIELDED, OUTDOOR WCW P/N 713310VNQ
RP	18AWG/1P, SHIELDED, STRD, PLENUM WCW P/N 052000LC	RU	18AWG/1P, SHIELDED, STRD, OUTDOOR WCW P/N 108760DB
SP	22AWG/1P,SHLD & 18AWG/2C,UNS,PLNM WCW P/N CRESCOMP-WHT		
LC	CAT6 PATCH CORD, C2G		
LP	CAT6, UTP, PLENUM WCW P/N 556600	LU	CAT6, UTP, OUTDOOR WCW P/N 775600-110DB
XP	CAT6, UTP, LONG-DISTANCE, PLENUM GAMECHANGER P/N 258300310	XU	CAT6, UTP, LONG-DISTANCE, OUTDOOR GAMECHANGER P/N 258330804
BP	DUPLEX OM3 FIBER PATCH CORD, C2G	AU	6-STR OM3 FIBER, INDOOR/OUTDOOR CORNING P/N 006T8P-31180-29
V	VENDOR/MANUFACTURER SUPPLIED CABLE		

SENSITIVE SECURITY INFORMATION

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REV	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
–	05/17/23	95% DRAWING FINAL			
–	07/19/22	ISSUED FOR 95% DRAWING REVIEW			

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHERN REGION — ATLANTA, GA

ASHEVILLE ATCT-TRACON
SECURITY SYSTEM DESIGN
HEAD END RACK WIRING DIAGRAM
(ER-132-01)

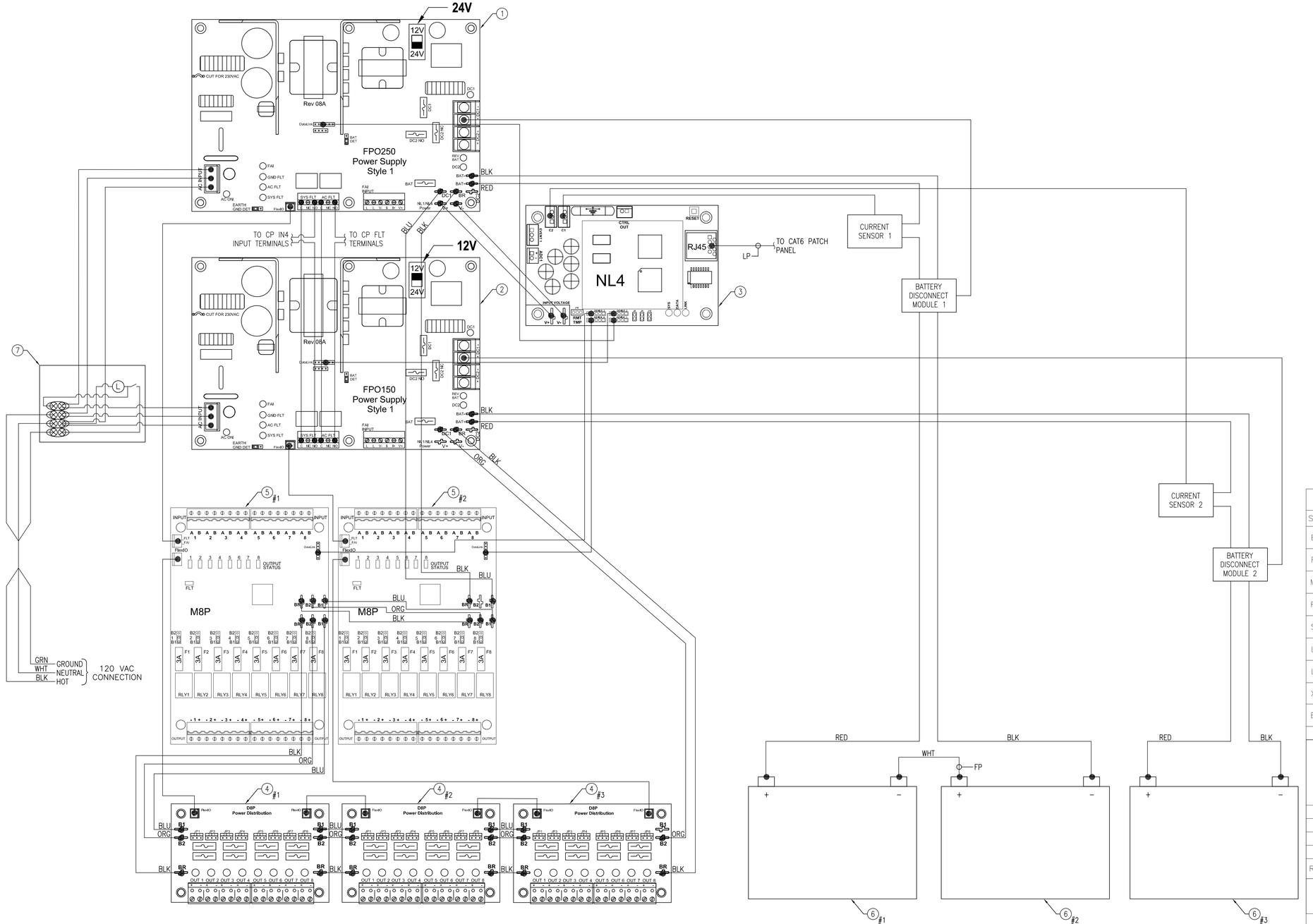
ASHEVILLE — AVL — NC

SCALE: NOT TO SCALE

M.C. DEAN
BUILDING INTELLIGENCE
SECURITY AND ELECTRONIC SYSTEMS DIVISION
1765 GREENSBORO STATION PL.
TYSONS, VA 22102
TEL: 703-802-6231
WWW.MCDEAN.COM

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REVIEWED BY	SUBMITTED BY	APPROVED BY
	ANDREW MILHOLLIN	
	ALTERNATE TECHNICAL REPRESENTATIVE	
	DESIGNED BY: A. VOGLER — ISSUED BY: M.C. DEAN, INC.	DATE: 05/17/2023 JCN
	DRAWN BY: J. CUNNINGHAM	DRAWING NUMBER: AVL-D-ATCT-Y500 REV: –
	CHECKED BY: S. MILLER	



GENERAL NOTES:

1. THIS TYPICAL WIRING DIAGRAM THAT REPRESENTS HOW LIFESAFETY POWER EQUIPMENT IS WIRED. FOR POWER DISTRIBUTION AND CONTROLLER POWER DEVICE MAPPING REFER TO WIRING DIAGRAMS.
2. UNLESS OTHERWISE NOTED ON THIS DRAWING, ALL CABLES ARE SUPPLIED WITH LIFESAFETY POWER ENCLOSURE AND COMES PRE-INSTALLED.
3. CURRENT SENSORS AND BATTERY DISCONNECT MODULES ARE INTEGRATED INTO THE CABLES.
4. THE FPO250 POWER SUPPLY IS SET TO 24VDC. THE FPO250 SUPPLIES POWER TO ALL LOCKS. THE FPO250 PRE-WIRED TO M8P AND D8P BOARDS USING BLUE AND BLACK WIRES THAT FORM POWER BUS #1.
5. THE FPO150 POWER SUPPLY IS SET TO 12VDC. THE FPO150 SUPPLIES POWER TO ALL LENEL BOARDS, PIR REX SENSORS, AND PUSH-TO-EXIT PUSHBUTTONS. THE FPO150 PRE-WIRED TO M8P AND D8P BOARDS USING ORANGE AND BLACK WIRES THAT FORM POWER BUS #2.
6. REFER TO WIRING DIAGRAMS FOR JUMPER SETTINGS.

CABLE INDEX

SYM	DESCRIPTION	SYM	DESCRIPTION
EP	2C, WALL FIELD WIRING	EU	18AWG/2C, OVERALL SHIELDED, OUTDOOR WCW P/N 714110VNQ
FP	18AWG/4C, UNSHIELDED, PLENUM WCW P/N 442380	QU	18AWG/4C, OVERALL SHIELDED, OUTDOOR WCW P/N 714310VNQ
MP	16AWG/4C, OVERALL SHIELDED, PLENUM WCW P/N 441340	MU	16AWG/4C, OVERALL SHIELDED, OUTDOOR WCW P/N 713310VNQ
RP	18AWG/1P, SHIELDED, STRD, PLENUM WCW P/N 052000LC	RU	18AWG/1P, SHIELDED, STRD, OUTDOOR WCW P/N 108760DB
SP	22AWG/1P,SHLD & 18AWG/2C,UNS,PLNM WCW P/N CRESCOMP-WHT		
LC	CAT6 PATCH CORD, C2G		
LP	CAT6, UTP, PLENUM WCW P/N 556600	LU	CAT6, UTP, OUTDOOR WCW P/N 775600-110DB
XP	CAT6, UTP, LONG-DISTANCE, PLENUM GAMECHANGER P/N 258300310	XU	CAT6, UTP, LONG-DISTANCE, OUTDOOR GAMECHANGER P/N 258330804
BP	DUPLEX OM3 FIBER PATCH CORD, C2G	AU	6-STR OM3 FIBER, INDOOR/OUTDOOR CORNING P/N 0067BP-31180-29
V	VENDOR/MANUFACTURER SUPPLIED CABLE		

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–	07/19/22	ISSUED FOR 95% DRAWING REVIEW			

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHERN REGION — ATLANTA, GA

ASHEVILLE ATCT-TRACON
SECURITY SYSTEM DESIGN
LIFESAFETY POWER AND BATTERY WIRING (ENC-132-01)

ASHEVILLE — AVL — NC

1 LIFESAFETY POWER AND BATTERY WIRING (ENC-132-01)
SCALE: NOT TO SCALE

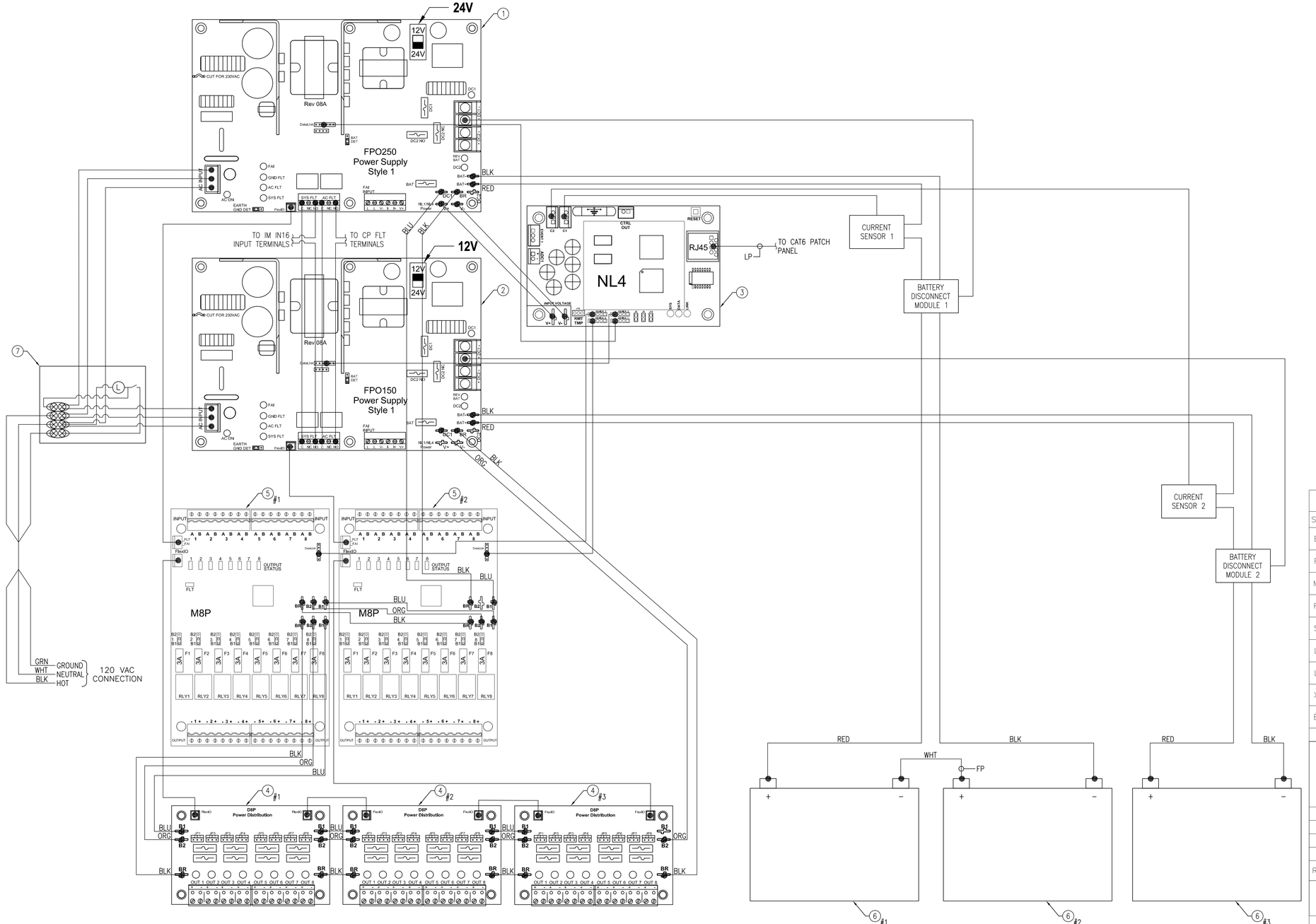
1. POWER SUPPLY FPO 250 (INCLUDED WITH LIFESAFETY POWER ENCLOSURE)
2. POWER SUPPLY FPO 150 (INCLUDED WITH LIFESAFETY POWER ENCLOSURE)
3. POWER NETWORK LINK NL4 (INCLUDED WITH LIFESAFETY POWER ENCLOSURE)
4. POWER DISTRIBUTION MODULE D8P (INCLUDED WITH LIFESAFETY POWER ENCLOSURE)
5. POWER DISTRIBUTION MODULE M8P (INCLUDED WITH LIFESAFETY POWER ENCLOSURE)
6. 12VDC BATTERY
7. AC DISCONNECT SWITCH (INCLUDED WITH LIFESAFETY POWER ENCLOSURE)

SCALE: NOT TO SCALE

MC DEAN
BUILDING INTELLIGENCE
SECURITY AND ELECTRONIC SYSTEMS DIVISION
1765 GREENSBORO STATION PL.
TYSONS, VA 22102
TEL: 703-802-6231
WWW.MCDEAN.COM

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REVIEWED BY	SUBMITTED BY	APPROVED BY
	ANDREW MILHOLLIN	
	ALTERNATE TECHNICAL REPRESENTATIVE	
DESIGNED BY: A. VOGLER	ISSUED BY: M.C. DEAN, INC.	DATE: 05/17/2023 JCN
DRAWN BY: J. CUNNINGHAM		DRAWING NUMBER: AVL-D-ATCT-Y501 REV: –
CHECKED BY: S. MILLER		



1 LIFESAFETY POWER AND BATTERY WIRING (ENC-T406-01)

SCALE: NOT TO SCALE

1. POWER SUPPLY FPO 250 (INCLUDED WITH LIFESAFETY POWER ENCLOSURE)
2. POWER SUPPLY FPO 150 (INCLUDED WITH LIFESAFETY POWER ENCLOSURE)
3. POWER NETWORK LINK NL4 (INCLUDED WITH LIFESAFETY POWER ENCLOSURE)
4. POWER DISTRIBUTION MODULE D8P (INCLUDED WITH LIFESAFETY POWER ENCLOSURE)
5. POWER DISTRIBUTION MODULE M8P (INCLUDED WITH LIFESAFETY POWER ENCLOSURE)
6. 12VDC BATTERY
7. AC DISCONNECT SWITCH (INCLUDED WITH LIFESAFETY POWER ENCLOSURE)

GENERAL NOTES:

1. THIS TYPICAL WIRING DIAGRAM THAT REPRESENTS HOW LIFESAFETY POWER EQUIPMENT IS WIRED. FOR POWER DISTRIBUTION AND CONTROLLER POWER DEVICE MAPPING REFER TO WIRING DIAGRAMS.
2. UNLESS OTHERWISE NOTED ON THIS DRAWING, ALL CABLES ARE SUPPLIED WITH LIFESAFETY POWER ENCLOSURE AND COMES PRE-INSTALLED.
3. CURRENT SENSORS AND BATTERY DISCONNECT MODULES ARE INTEGRATED INTO THE CABLES.
4. THE FPO250 POWER SUPPLY IS SET TO 24VDC. THE FPO250 SUPPLIES POWER TO ALL LOCKS. THE FPO250 PRE-WIRED TO M8P AND D8P BOARDS USING BLUE AND BLACK WIRES THAT FORM POWER BUS #1.
5. THE FPO150 POWER SUPPLY IS SET TO 12VDC. THE FPO150 SUPPLIES POWER TO ALL LENEL BOARDS, PIR REX SENSORS, AND PUSH-TO-EXIT PUSHBUTTONS. THE FPO150 PRE-WIRED TO M8P AND D8P BOARDS USING ORANGE AND BLACK WIRES THAT FORM POWER BUS #2.
6. REFER TO WIRING DIAGRAMS FOR JUMPER SETTINGS.

CABLE INDEX

SYM	DESCRIPTION	SYM	DESCRIPTION
EP	2C, WALL FIELD WIRING	EU	18AWG/2C, OVERALL SHIELDED, OUTDOOR WCW P/N 714110VNQ
FP	18AWG/4C, UNSHIELDED, PLENUM WCW P/N 442380	QU	18AWG/4C, OVERALL SHIELDED, OUTDOOR WCW P/N 714310VNQ
MP	16AWG/4C, OVERALL SHIELDED, PLENUM WCW P/N 441340	MU	16AWG/4C, OVERALL SHIELDED, OUTDOOR WCW P/N 713310VNQ
RP	18AWG/1P, SHIELDED, STRD, PLENUM WCW P/N 052000LC	RU	18AWG/1P, SHIELDED, STRD, OUTDOOR WCW P/N 108760DB
SP	22AWG/1P,SHLD & 18AWG/2C,UNS,PLNM WCW P/N CRESCOMP-WHT		
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LP	CAT6, UTP, PLENUM WCW P/N 556600	LU	CAT6, UTP, OUTDOOR WCW P/N 775600-110DB
XP	CAT6, UTP, LONG-DISTANCE, PLENUM GAMECHANGER P/N 258300310	XU	CAT6, UTP, LONG-DISTANCE, OUTDOOR GAMECHANGER P/N 258330804
BP	DUPLEX OM3 FIBER PATCH CORD, C2G	AU	6-STR OM3 FIBER, INDOOR/OUTDOOR CORNING P/N 0067BP-31180-29
V	VENDOR/MANUFACTURER SUPPLIED CABLE		

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHERN REGION — ATLANTA, GA

ASHEVILLE ATCT-TRACON
SECURITY SYSTEM DESIGN
LIFESAFETY POWER AND BATTERY WIRING (ENC-T406-01)

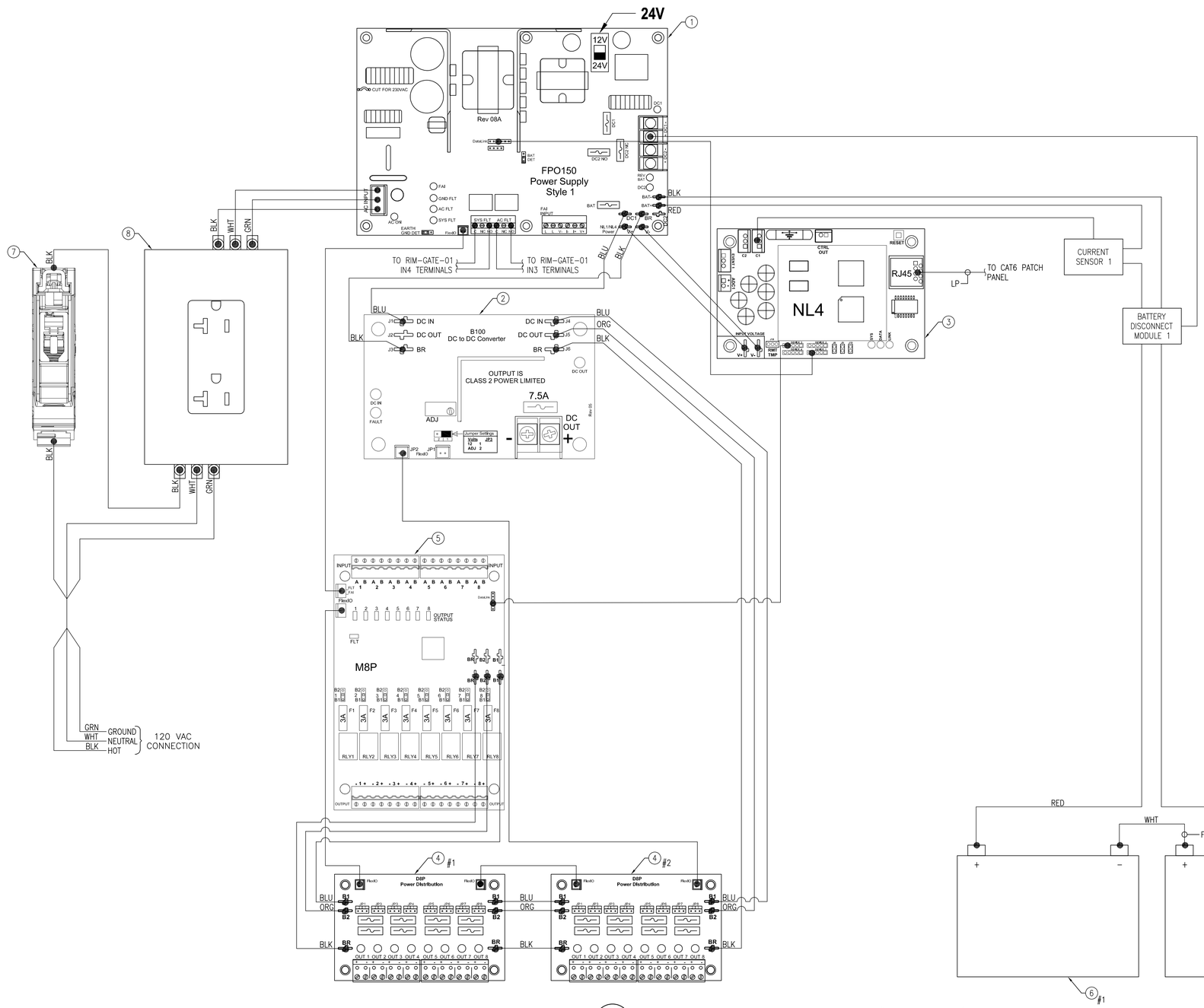
ASHEVILLE — AVL — NC

SCALE: NOT TO SCALE

MC DEAN BUILDING INTELLIGENCE
SECURITY AND ELECTRONIC SYSTEMS DIVISION
1765 GREENSBORO STATION PL.
TYSONS, VA 22102
TEL: 703-802-6231
WWW.MCDEAN.COM

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REVIEWED BY	SUBMITTED BY	APPROVED BY
	ANDREW MILHOLLIN	
	ALTERNATE TECHNICAL REPRESENTATIVE	
DESIGNED BY: A. VOGLER	ISSUED BY: M.C. DEAN, INC.	DATE: 05/17/2023 JCN
DRAWN BY: J. CUNNINGHAM		DRAWING NUMBER: AVL-D-ATCT-Y502 REV: –
CHECKED BY: S. MILLER		



GENERAL NOTES:

1. THIS TYPICAL WIRING DIAGRAM THAT REPRESENTS HOW LIFESAFETY POWER EQUIPMENT IS WIRED. FOR POWER DISTRIBUTION AND CONTROLLER POWER DEVICE MAPPING REFER TO WIRING DIAGRAMS.
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4. THE FPO150 POWER SUPPLY IS SET TO 24VDC. THE FPO150 SUPPLIES POWER TO ALL LOCKS. THE FPO150 PRE-WIRED TO M8P AND D8P BOARDS USING BLUE AND BLACK WIRES THAT FORM POWER BUS #1.
5. THE B100 POWER SUPPLY IS SET TO 12VDC. THE B100 SUPPLIES POWER TO ALL LENEL BOARDS, PIR REX SENSORS, AND PUSH-TO-EXIT PUSHBUTTONS. THE B100 PRE-WIRED TO M8P AND D8P BOARDS USING ORANGE AND BLACK WIRES THAT FORM POWER BUS #2.
6. REFER TO WIRING DIAGRAMS FOR JUMPER SETTINGS.

CABLE INDEX

SYM	DESCRIPTION	SYM	DESCRIPTION
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MP	16AWG/4C, OVERALL SHIELDED, PLENUM WCW P/N 441340	MU	16AWG/4C, OVERALL SHIELDED, OUTDOOR WCW P/N 713310VNQ
RP	18AWG/1P, SHIELDED, STRD, PLENUM WCW P/N 052000LC	RU	18AWG/1P, SHIELDED, STRD, OUTDOOR WCW P/N 108760DB
SP	22AWG/1P,SHLD & 18AWG/2C,UNS,PLNM WCW P/N CRESCOMP-WHT		
LC	CAT6 PATCH CORD, C2G		
LP	CAT6, UTP, PLENUM WCW P/N 556600	LU	CAT6, UTP, OUTDOOR WCW P/N 775600-110DB
XP	CAT6, UTP, LONG-DISTANCE, PLENUM GAMECHANGER P/N 258300310	XU	CAT6, UTP, LONG-DISTANCE, OUTDOOR GAMECHANGER P/N 258330804
BP	DUPLEX OM3 FIBER PATCH CORD, C2G	AU	6-STR OM3 FIBER, INDOOR/OUTDOOR CORNING P/N 006T8P-31180-29
V	VENDOR/MANUFACTURER SUPPLIED CABLE		

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHERN REGION — ATLANTA, GA

ASHEVILLE ATCT-TRACON
SECURITY SYSTEM DESIGN
LIFESAFETY POWER AND BATTERY WIRING (ENC-GATE-01)

ASHEVILLE — AVL — NC

1 LIFESAFETY POWER AND BATTERY WIRING (ENC-GATE-01)

SCALE: NOT TO SCALE

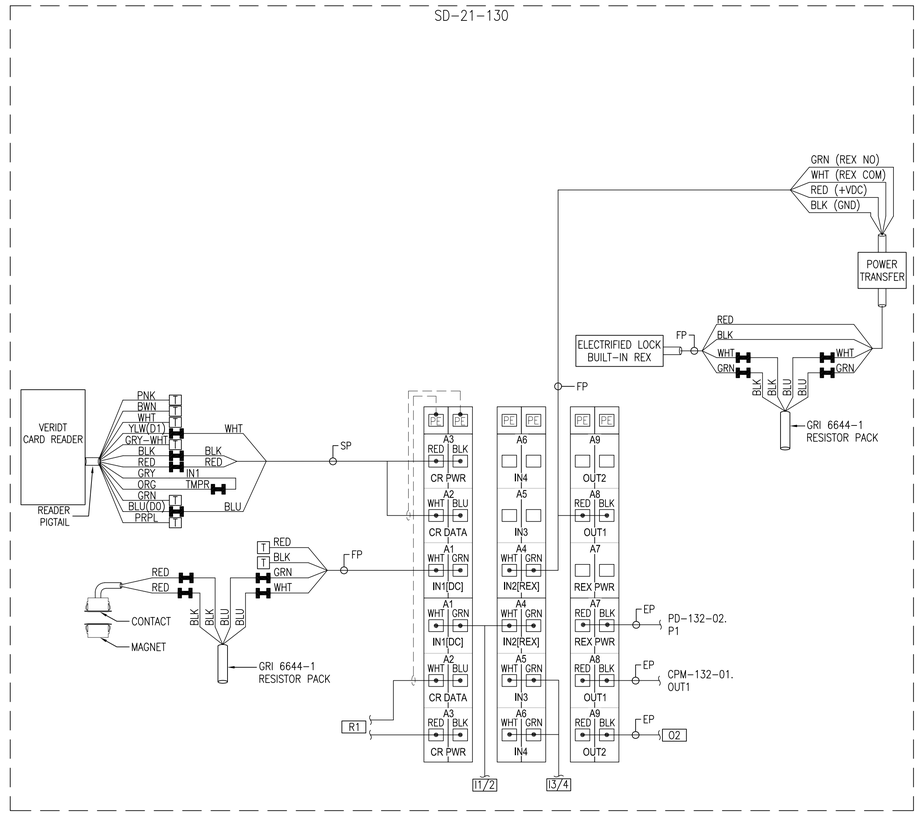
1. POWER SUPPLY FPO 150 (INCLUDED WITH LIFESAFETY POWER ENCLOSURE)
2. POWER SUPPLY B100 (INCLUDED WITH LIFESAFETY POWER ENCLOSURE)
3. POWER NETWORK LINK NL4 (INCLUDED WITH LIFESAFETY POWER ENCLOSURE)
4. POWER DISTRIBUTION MODULE D8P (INCLUDED WITH LIFESAFETY POWER ENCLOSURE)
5. POWER DISTRIBUTION MODULE M8P (INCLUDED WITH LIFESAFETY POWER ENCLOSURE)
6. 12VDC BATTERY
7. CIRCUIT BREAKER, 20A, DIN RAIL MCMASTER CARR 5789T7-20A
8. DUPLEX POWER RECEPTACLE, DIN RAIL MCMASTER CARR 7656T13 OR EQUAL

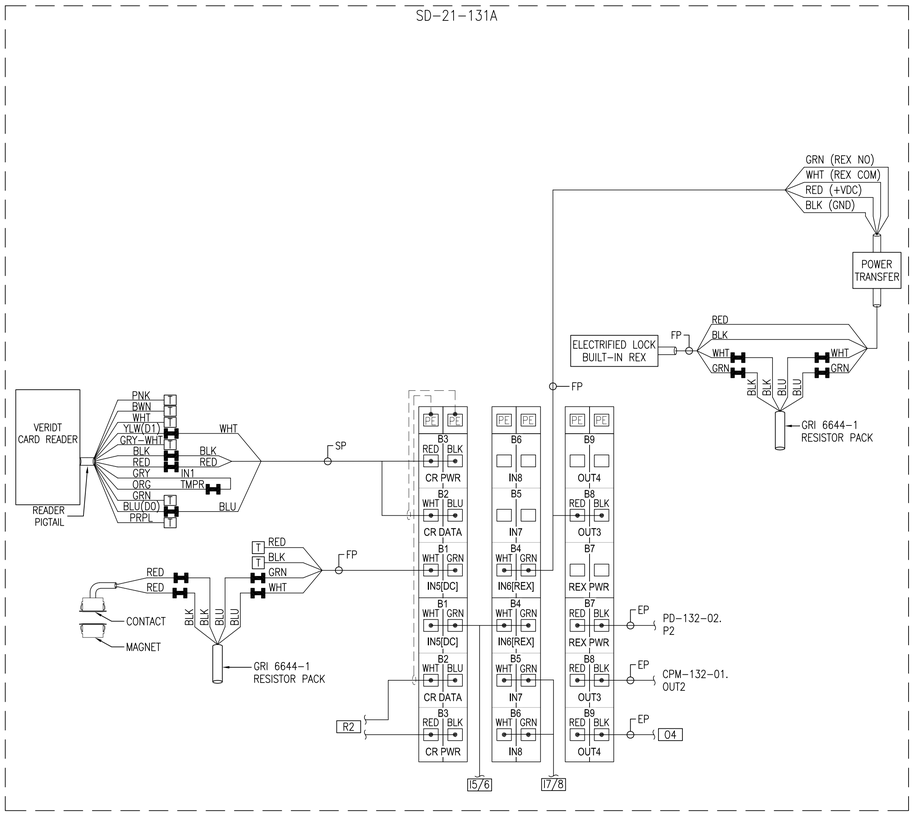
SCALE: NOT TO SCALE

M.C. DEAN
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1765 GREENSBORO STATION PL.
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REVIEWED BY	SUBMITTED BY: ANDREW MILHOLLIN	APPROVED BY	
	ALTERNATE TECHNICAL REPRESENTATIVE		
	DESIGNED BY: A. VOGLER	ISSUED BY: M.C. DEAN, INC.	DATE: 05/17/2023 JCN
	DRAWN BY: J. CUNNINGHAM		DRAWING NUMBER: AVL-D-ATCT-Y503 REV: –
	CHECKED BY: S. MILLER		





GENERAL NOTES:

1 REFER TO PACS POWER WIRING DIAGRAMS FOR POWER DISTRIBUTION (PD) AND CONTROLLED POWER MODULE (CPM) WIRING AS WELL AS THEIR JUMPER SETTINGS.

2 GENERAL CONTRACTOR IS RESPONSIBLE FOR DOOR HARDWARE, ELECTRIFIED LOCKING HARDWARE, POWER TRANSFER HINGES, AND DOOR CONTACTS. MC DEAN IS RESPONSIBLE FOR ALL CARD READERS AND REQUEST-TO-EXIT DEVICES.

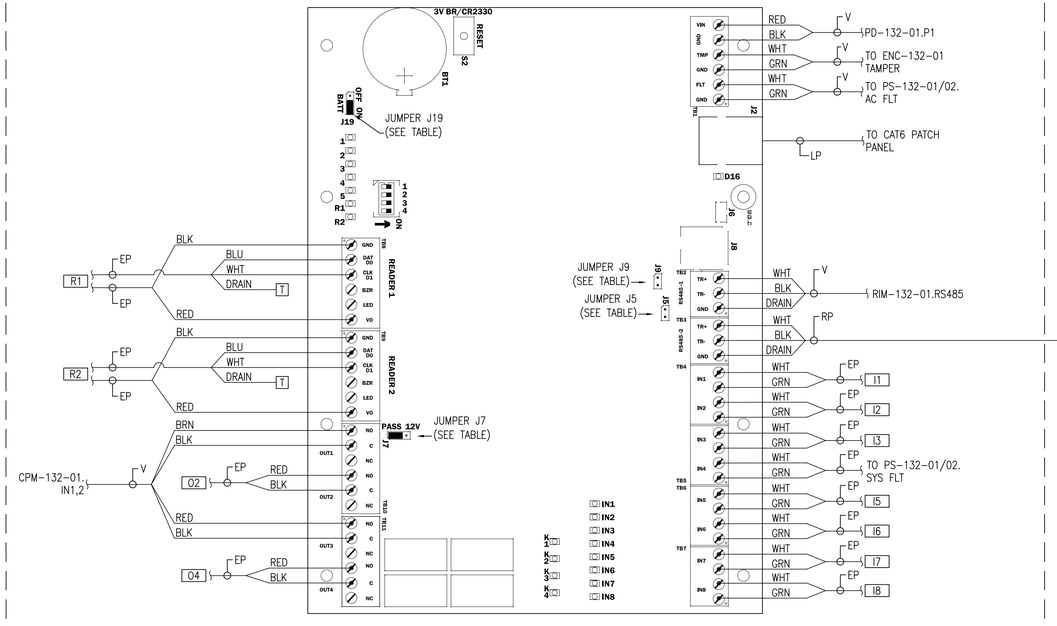
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LP	CAT6, UTP, PLENUM WCW P/N 556600	LU	CAT6, UTP, OUTDOOR WCW P/N 775600-110DB
XP	CAT6, UTP, LONG-DISTANCE, PLENUM GAMECHANGER P/N 258300310	XU	CAT6, UTP, LONG-DISTANCE, OUTDOOR GAMECHANGER P/N 258330804
BP	DUPLEX OM3 FIBER PATCH CORD, C2G	AU	6-STR OM3 FIBER, INDOOR/OUTDOOR CORNING P/N 006T8P-31180-29
V	VENDOR/MANUFACTURER SUPPLIED CABLE		

SENSITIVE SECURITY INFORMATION

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REV	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
–	05/17/23	95% DRAWING FINAL			
–	07/19/22	ISSUED FOR 95% DRAWING REVIEW			



JUMPER SETTINGS

JUMPER	DESCRIPTION	SETTING
J7	READER VOLTAGE	PASS (PT)
J9	PORT 1 RS-485 EOL	CLOSED (CONNECT)
J5	PORT 2 RS-485 EOL	CLOSED (CONNECT)
J19	BATTERY	ON

T WIRE IS SPARE; CAP OFF



SCALE: NOT TO SCALE

M.C. DEAN BUILDING INTELLIGENCE SECURITY AND ELECTRONIC SYSTEMS DIVISION
1765 GREENSBORO STATION PL.
TYSONS, VA 22102
TEL: 703-802-6231
WWW.MCDEAN.COM

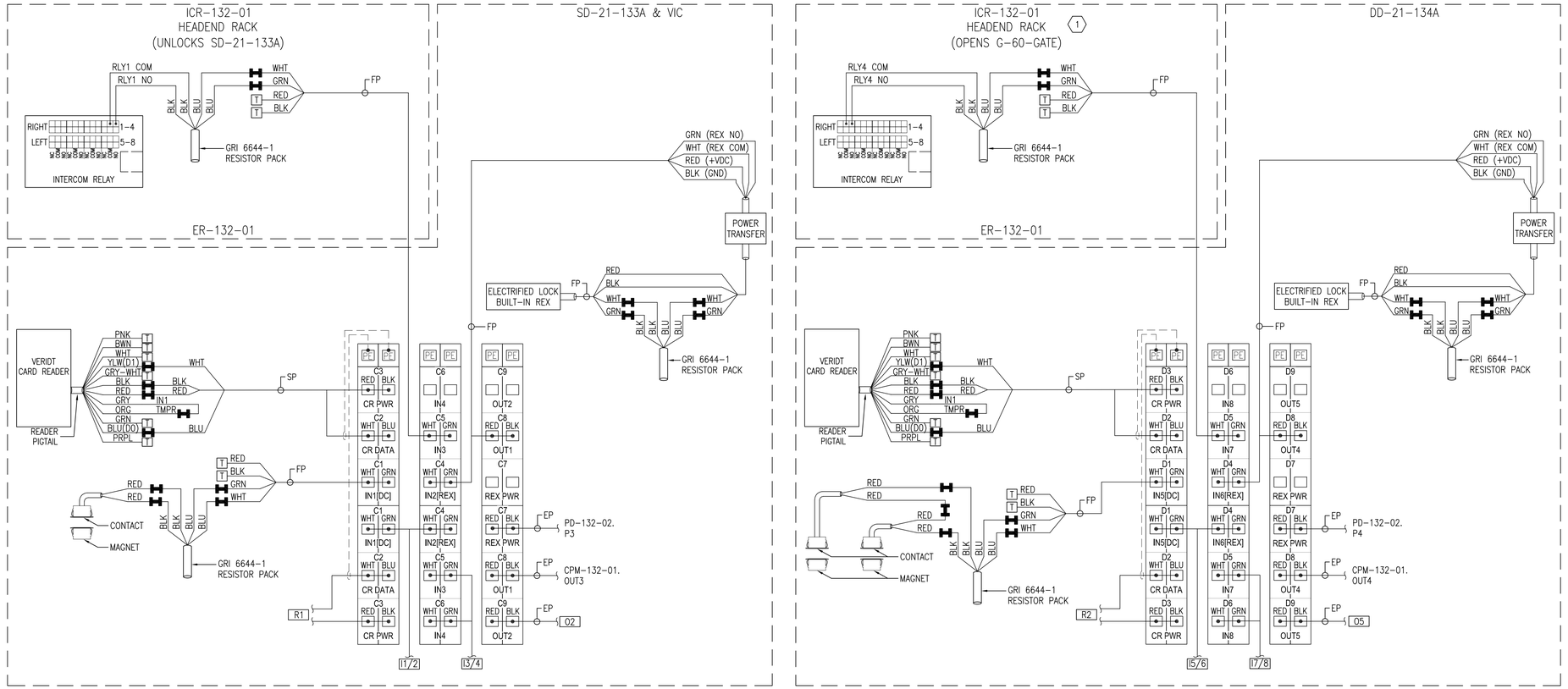
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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHERN REGION — ATLANTA, GA

ASHEVILLE ATCT-TRACON
SECURITY SYSTEM DESIGN
DOORS 130 & 131A WIRING DIAGRAMS

ASHEVILLE — AVL — NC

REVIEWED BY	SUBMITTED BY	APPROVED BY
	ANDREW MILHOLLIN	
	ALTERNATE TECHNICAL REPRESENTATIVE	
DESIGNED BY: A. VOGLER	ISSUED BY: M.C. DEAN, INC.	DATE: 05/17/2023 JCN
DRAWN BY: J. CUNNINGHAM		DRAWING NUMBER: AVL-D-ATCT-Y511 REV: –
CHECKED BY: S. MILLER		



GENERAL NOTES:

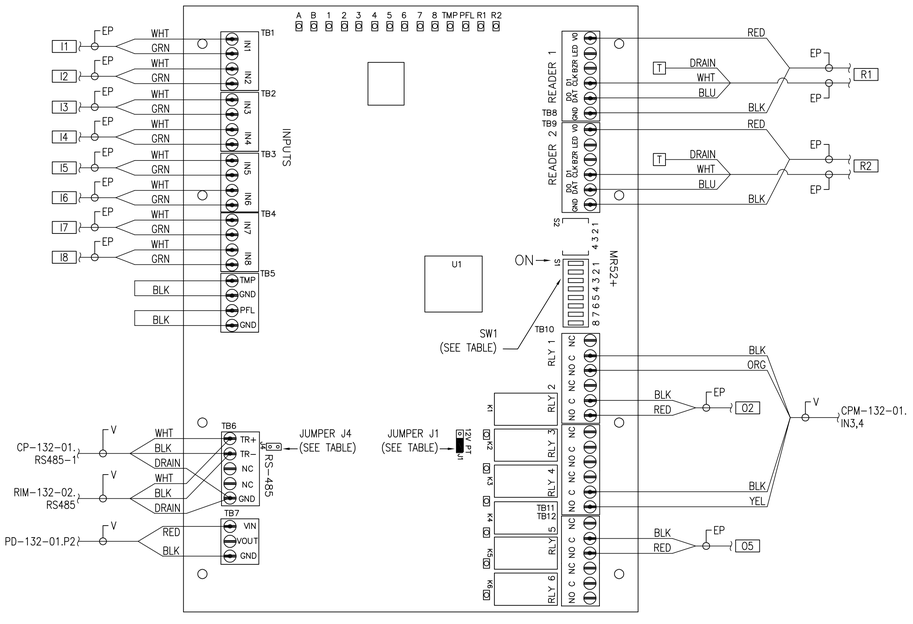
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KEYNOTES:

(1) INTERCOM RELAY FOR MAIN VEHICLE GATE. A VALID REQUEST FROM EITHER VIDEO INTERCOM AT MAIN ENTRY PEDESTAL WILL OPEN VEHICLE GATE (SEE SHEET Y524).

CABLE INDEX

SYM	DESCRIPTION	SYM	DESCRIPTION
EP	2C, WALL FIELD WIRING	EU	18AWG/2C, OVERALL SHIELDED, OUTDOOR WCW P/N 714110VNQ
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MP	16AWG/4C, OVERALL SHIELDED, PLENUM WCW P/N 441340	MU	16AWG/4C, OVERALL SHIELDED, OUTDOOR WCW P/N 713310VNQ
RP	18AWG/1P, SHIELDED, STRD, PLENUM WCW P/N 052000LC	RU	18AWG/1P, SHIELDED, STRD, OUTDOOR WCW P/N 108760DB
SP	22AWG/1P,SHLD & 18AWG/2C,UNS,PLNM WCW P/N CRESCOMP-WHT		
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V	VENDOR/MANUFACTURER SUPPLIED CABLE		



RIM-132-01

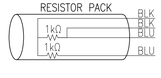
ENC-132-01

JUMPER SETTINGS

JUMPER	DESCRIPTION	SETTING
J1	READER POWER	PASS (PT)
J4	RS-485 EOL	OPEN (DISCONNECT)
SW1 (1-5)	DEVICE ADDRESS	(10000) [1]
SW1 (6-7)	COMMUNICATION BAUD RATE	(11) [38,400 BPS]
SW1 (8)	DOWNSTREAM ENCRYPTION	(0) [OFF]

FOR SW1, 1 MEANS ON, 0 MEANS OFF.

T WIRE IS SPARE; CAP OFF



SCALE: NOT TO SCALE

M.C. DEAN
BUILDING INTELLIGENCE
SECURITY AND ELECTRONIC SYSTEMS DIVISION
1765 GREENSBORO STATION PL.
TYSONS, VA 22102
TEL: 703-802-6231
WWW.MCDEAN.COM

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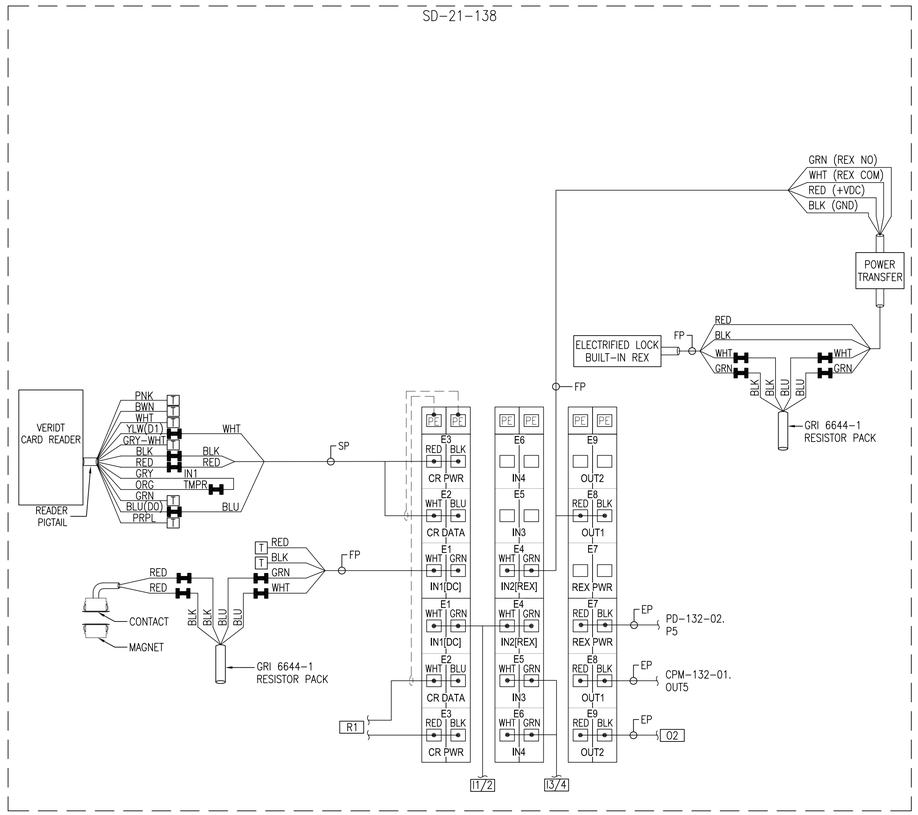
REV	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
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–	07/19/22	ISSUED FOR 95% DRAWING REVIEW			

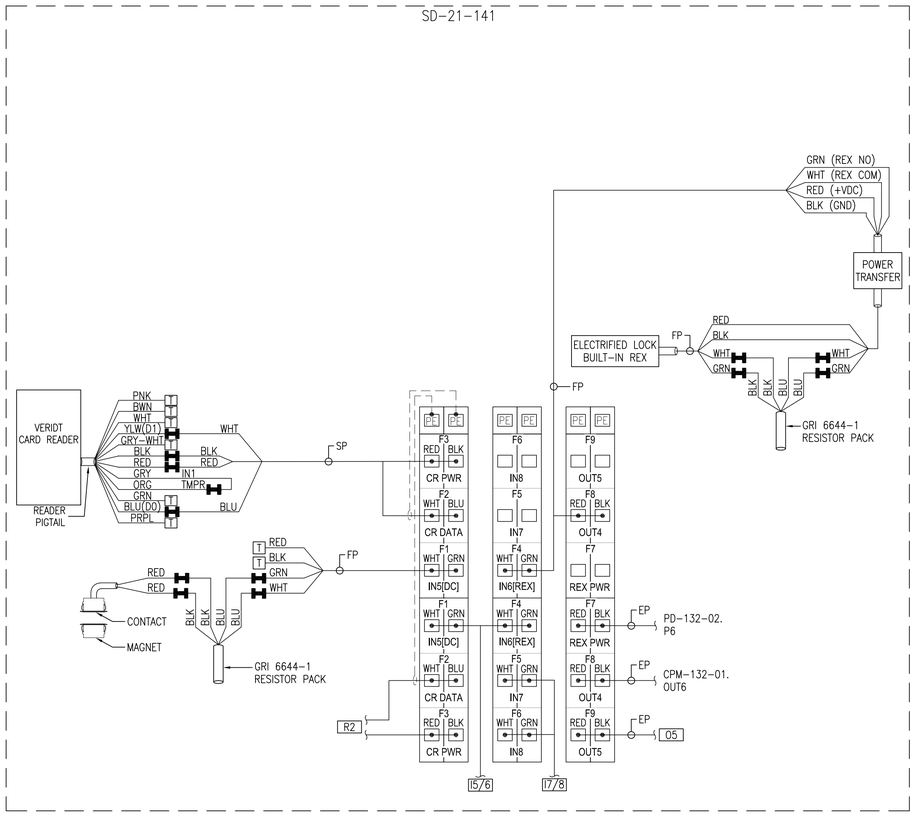
DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHERN REGION — ATLANTA, GA

ASHEVILLE ATCT-TRACON
SECURITY SYSTEM DESIGN
DOORS 133A & 134A WIRING DIAGRAMS

ASHEVILLE — AVL — NC

REVIEWED BY	SUBMITTED BY	APPROVED BY
	ANDREW MILHOLLIN	
	ALTERNATE TECHNICAL REPRESENTATIVE	
DESIGNED BY: A. VOGLER	ISSUED BY: M.C. DEAN, INC.	DATE: 05/17/2023 JCN
DRAWN BY: J. CUNNINGHAM		DRAWING NUMBER: AVL-D-ATCT-Y512 REV: –
CHECKED BY: S. MILLER		



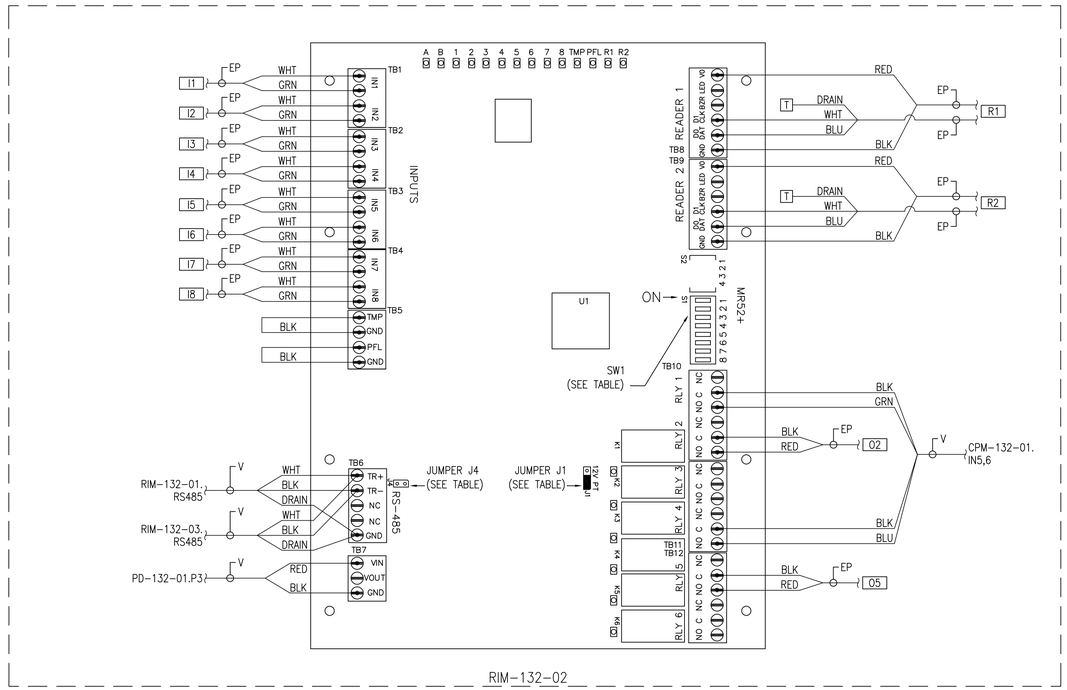


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MP	16AWG/4C, OVERALL SHIELDED, PLENUM WCW P/N 441340	MU	16AWG/4C, OVERALL SHIELDED, OUTDOOR WCW P/N 713310VNQ
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V	VENDOR/MANUFACTURER SUPPLIED CABLE		



RIM-132-02

ENC-132-01

JUMPER SETTINGS

JUMPER	DESCRIPTION	SETTING
J1	READER POWER	PASS (PT)
J4	RS-485 EOL	OPEN (DISCONNECT)
SW1 (1-5)	DEVICE ADDRESS	(01000) [2]
SW1 (6-7)	COMMUNICATION BAUD RATE	(11) [38,400 BPS]
SW1 (8)	DOWNSTREAM ENCRYPTION	(0) [OFF]
FOR SW1, 1 MEANS ON, 0 MEANS OFF.		

T WIRE IS SPARE; CAP OFF



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–	07/19/22	ISSUED FOR 95% DRAWING REVIEW			

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHERN REGION — ATLANTA, GA

ASHEVILLE ATCT-TRACON
SECURITY SYSTEM DESIGN
DOORS 138 & 141 WIRING DIAGRAMS

SCALE: NOT TO SCALE

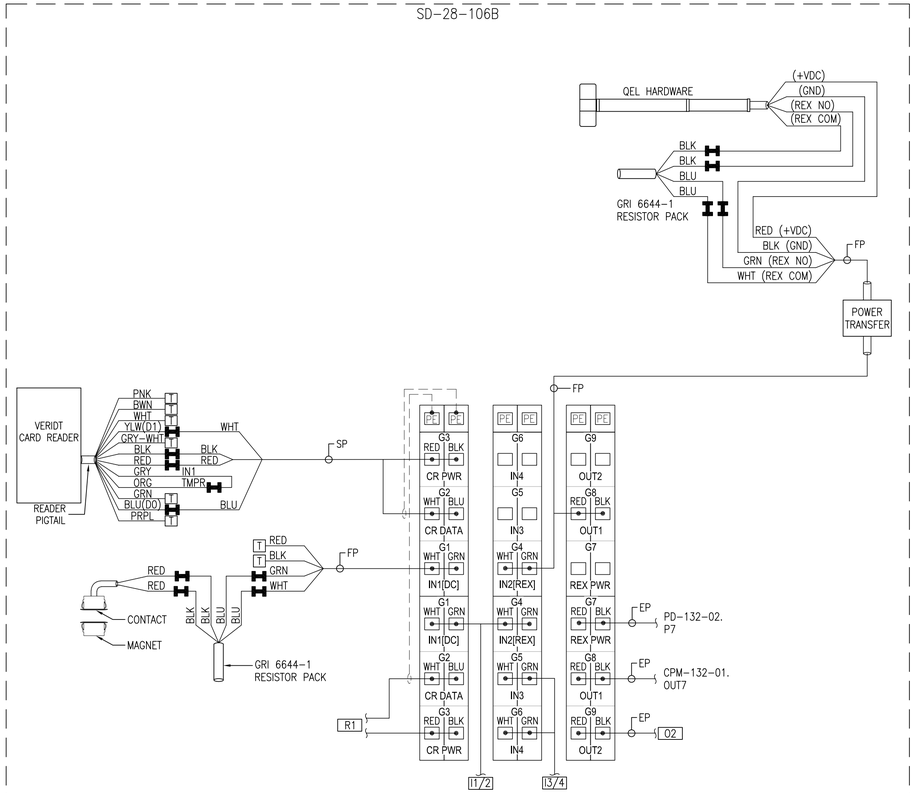
M.C. DEAN
BUILDING INTELLIGENCE
SECURITY AND ELECTRONIC SYSTEMS DIVISION
1765 GREENSBORO STATION PL.
TYSONS, VA 22102
TEL: 703-802-6231
WWW.MCDEAN.COM

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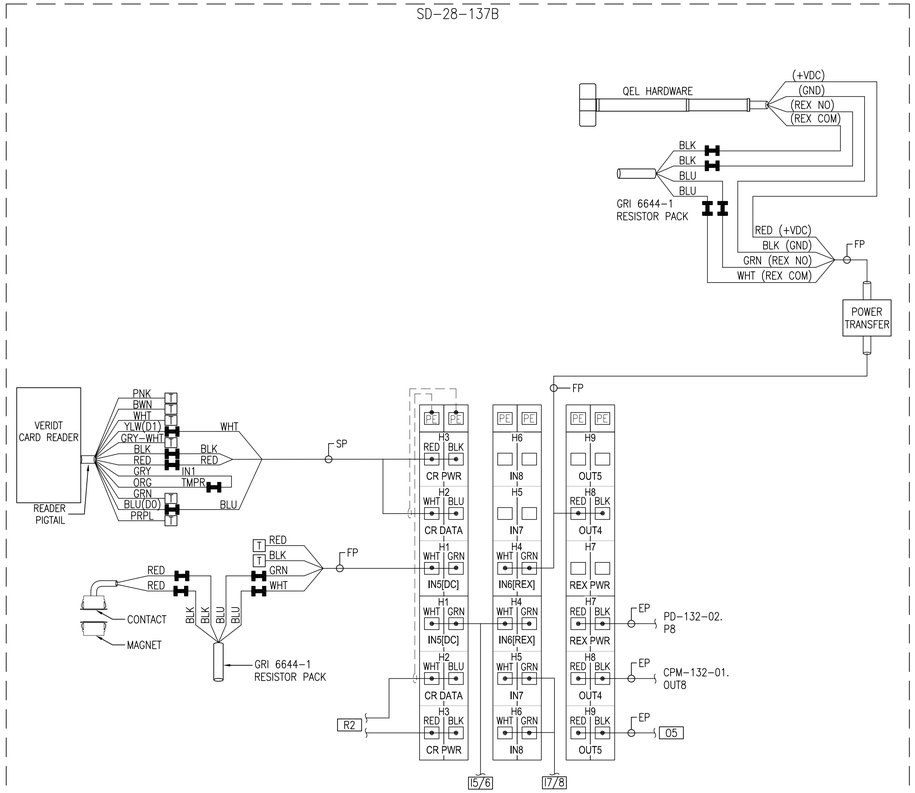
ASHEVILLE — AVL — NC

REVIEWED BY	SUBMITTED BY	APPROVED BY
	ANDREW MILHOLLIN	
	ALTERNATE TECHNICAL REPRESENTATIVE	
DESIGNED BY: A. VOGLER	ISSUED BY: M.C. DEAN, INC.	DATE: 05/17/2023 JCN
DRAWN BY: J. CUNNINGHAM		DRAWING NUMBER: AVL-D-ATCT-Y513 REV: –
CHECKED BY: S. MILLER		

SD-28-106B



SD-28-137B

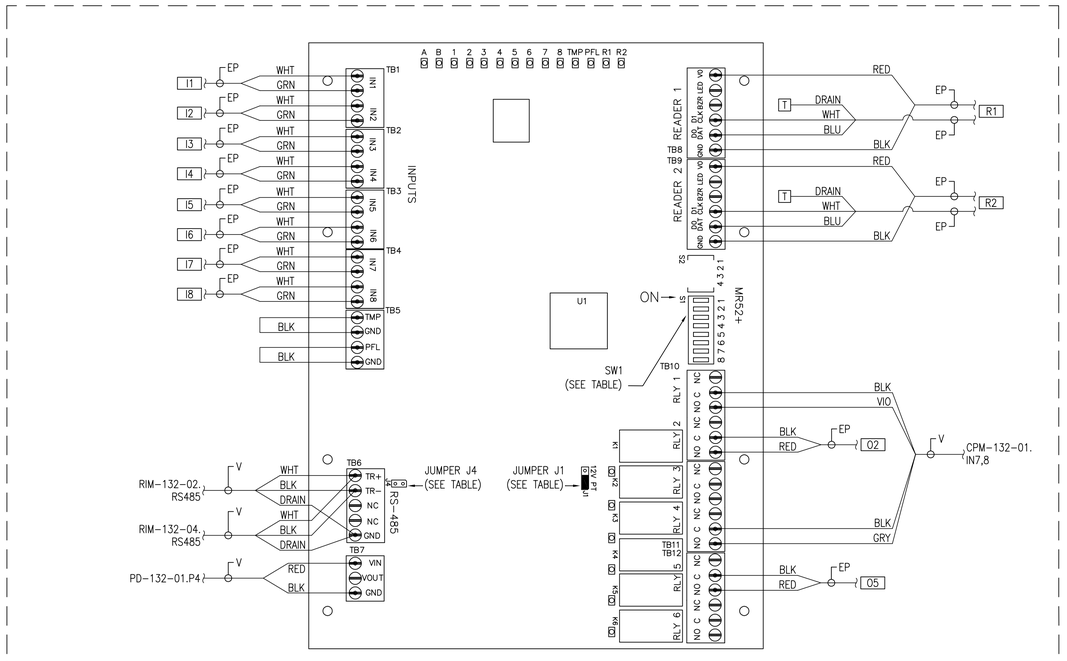


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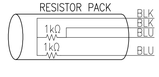
RIM-132-03

ENC-132-01

JUMPER SETTINGS

JUMPER	DESCRIPTION	SETTING
J1	READER POWER	PASS (PT)
J4	RS-485 EOL	OPEN (DISCONNECT)
SW1 (1-5)	DEVICE ADDRESS	(11000) [3]
SW1 (6-7)	COMMUNICATION BAUD RATE	(11) [38,400 BPS]
SW1 (8)	DOWNSTREAM ENCRYPTION	(0) [OFF]
FOR SW1, 1 MEANS ON, 0 MEANS OFF.		

T WIRE IS SPARE; CAP OFF



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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHERN REGION — ATLANTA, GA

ASHEVILLE ATCT-TRACON
SECURITY SYSTEM DESIGN
DOORS 106B & 137B WIRING DIAGRAMS

SCALE: NOT TO SCALE

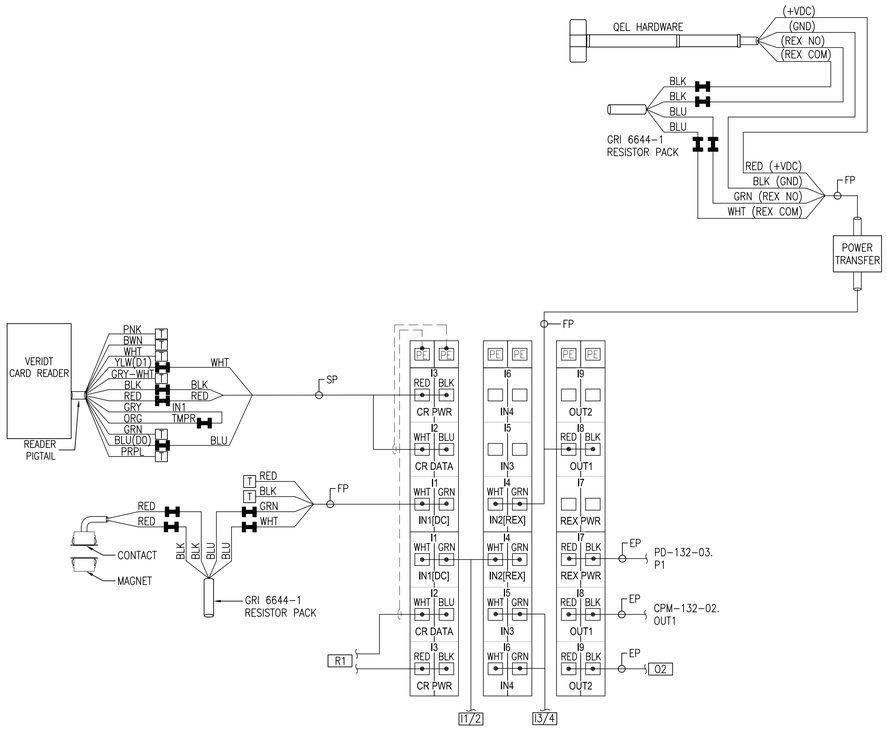
M.C. DEAN
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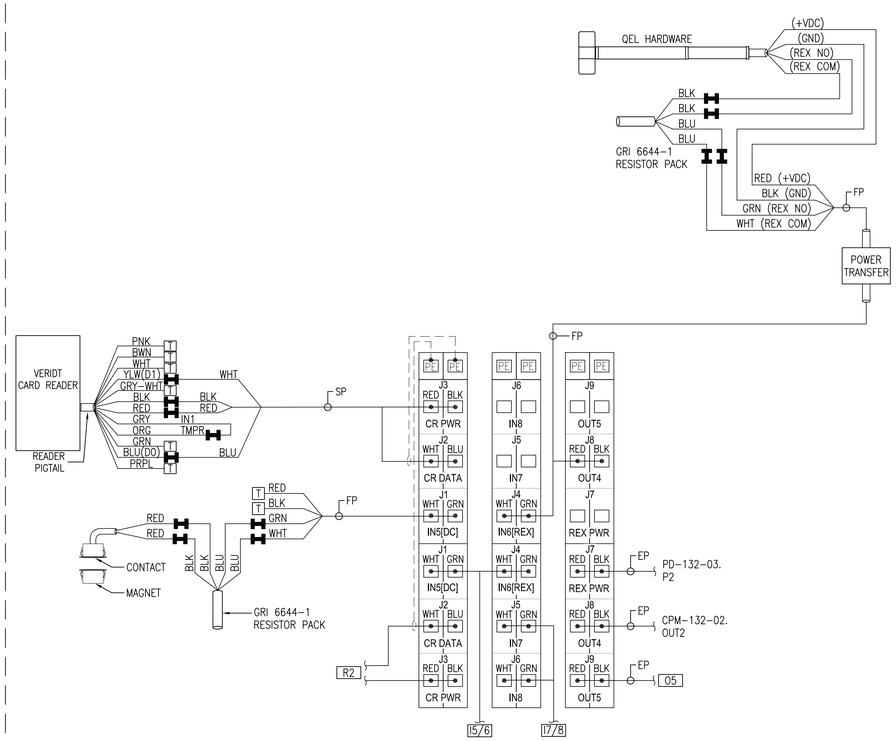
ASHEVILLE — AVL — NC

REVIEWED BY	SUBMITTED BY	APPROVED BY
	ANDREW MILHOLLIN	
	ALTERNATE TECHNICAL REPRESENTATIVE	
DESIGNED BY: A. VOGLER	ISSUED BY: M.C. DEAN, INC.	DATE: 05/17/2023 JCN
DRAWN BY: J. CUNNINGHAM		DRAWING NUMBER: AVL-D-ATCT-Y514 REV: –
CHECKED BY: S. MILLER		

SD-28-139A



SD-28-140B



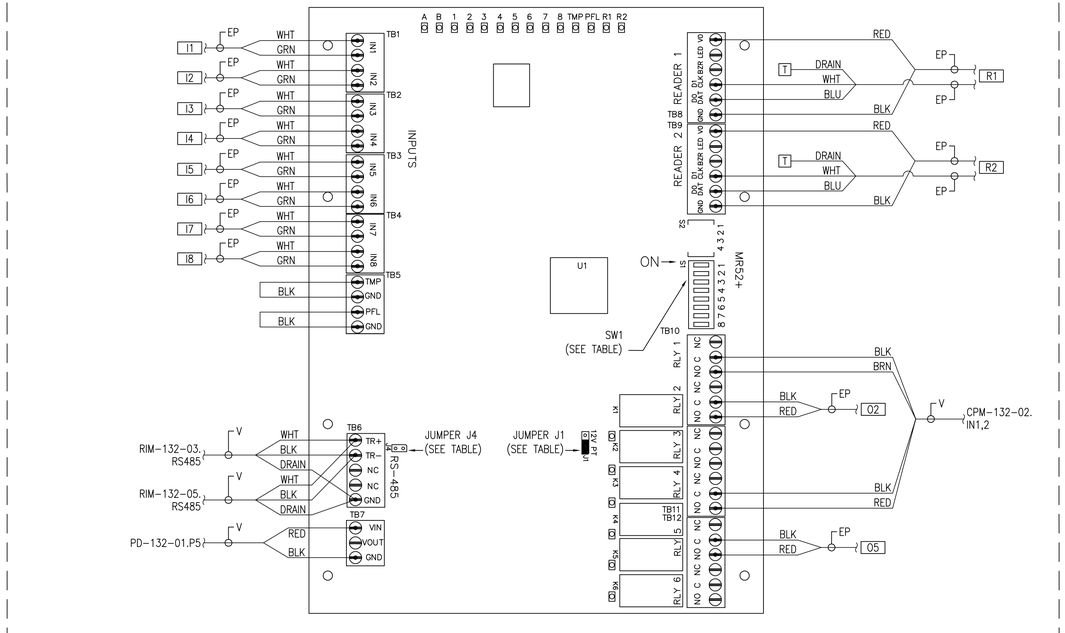
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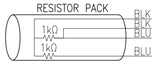
RIM-132-04

ENC-132-01

JUMPER SETTINGS

JUMPER	DESCRIPTION	SETTING
J1	READER POWER	PASS (PT)
J4	RS-485 EOL	OPEN (DISCONNECT)
SW1 (1-5)	DEVICE ADDRESS	(00100) [4]
SW1 (6-7)	COMMUNICATION BAUD RATE	(11) [38,400 BPS]
SW1 (8)	DOWNSTREAM ENCRYPTION	(0) [OFF]
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T WIRE IS SPARE; CAP OFF



SENSITIVE SECURITY INFORMATION

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REV	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
–	05/17/23	95% DRAWING FINAL			
–	07/19/22	ISSUED FOR 95% DRAWING REVIEW			

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHERN REGION — ATLANTA, GA

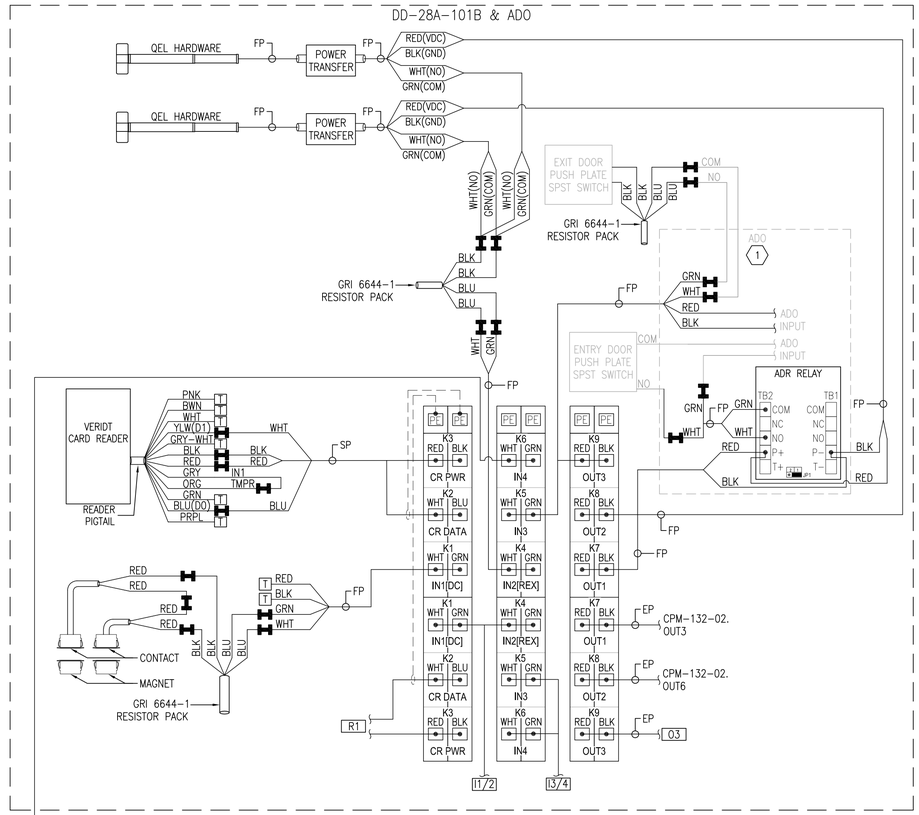
ASHEVILLE ATCT-TRACON
SECURITY SYSTEM DESIGN
DOORS 139A & 140B WIRING DIAGRAMS

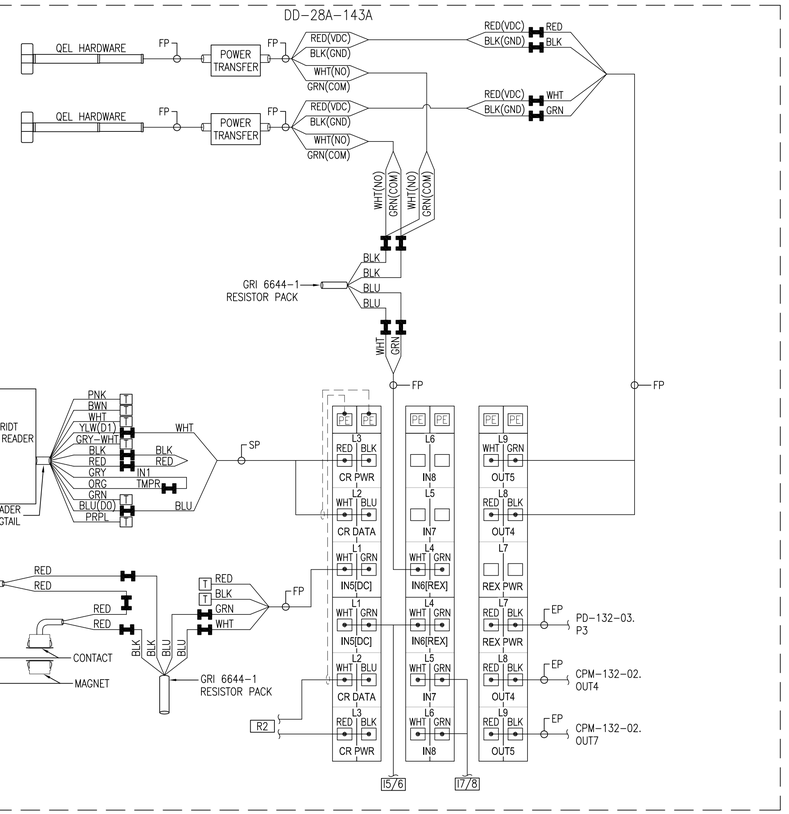
SCALE: NOT TO SCALE

M.C. DEAN
BUILDING INTELLIGENCE
SECURITY AND ELECTRONIC SYSTEMS DIVISION
1765 GREENSBORO STATION PL.
TYSONS, VA 22102
TEL: 703-802-6231
WWW.MCDEAN.COM

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ASHEVILLE	AVL		NC
REVIEWED BY	SUBMITTED BY: ANDREW MILHOLLIN	APPROVED BY	
	ALTERNATE TECHNICAL REPRESENTATIVE		
	DESIGNED BY: A. VOGLER	ISSUED BY: M.C. DEAN, INC.	DATE: 05/17/2023 JCN
	DRAWN BY: J. CUNNINGHAM		DRAWING NUMBER: AVL-D-ATCT-Y515 REV: –
	CHECKED BY: S. MILLER		





GENERAL NOTES:

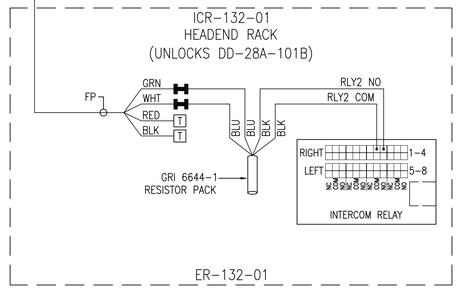
1. REFER TO PACS POWER WIRING DIAGRAMS FOR POWER DISTRIBUTION (PD) AND CONTROLLED POWER MODULE (CPM) WIRING AS WELL AS THEIR JUMPER SETTINGS.
2. GENERAL CONTRACTOR IS RESPONSIBLE FOR DOOR HARDWARE, ELECTRIFIED LOCKING HARDWARE, POWER TRANSFER HINGES, AND DOOR CONTACTS. MC DEAN IS RESPONSIBLE FOR ALL CARD READERS AND REQUEST-TO-EXIT DEVICES.

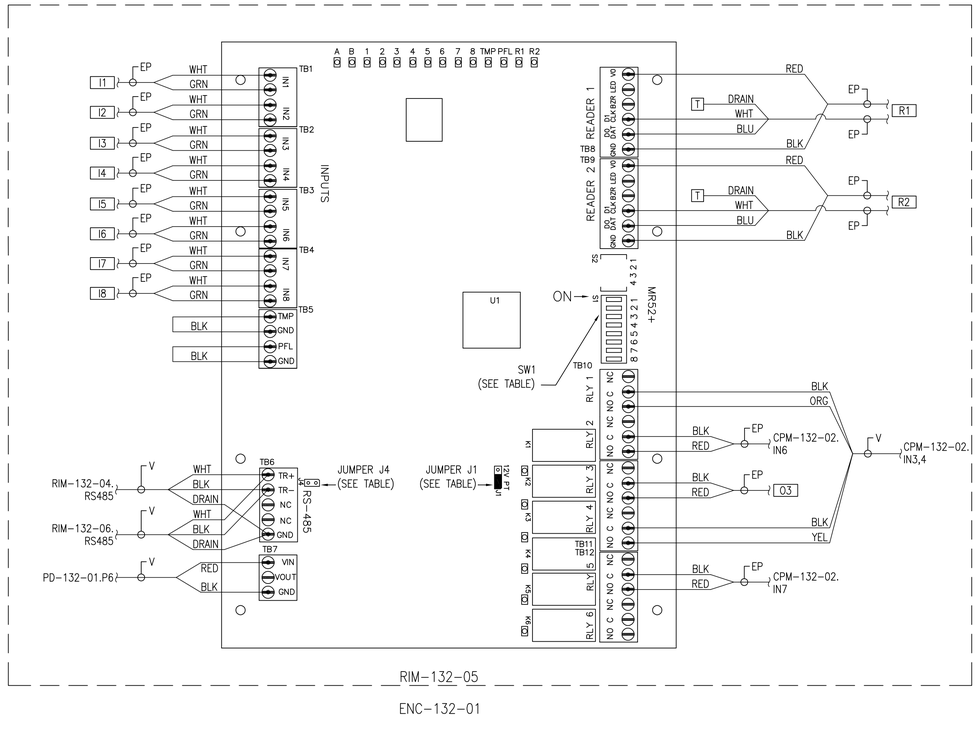
KEYNOTES:

(1) EXIT OPERATION: WHEN EXIT DOOR PUSH PLATE IS PRESSED, THE ACP WILL RECEIVE AN AUXILIARY INPUT AT IN3 AND THE FOLLOWING SHALL OCCUR: SHUNT DOOR CONTACT ALARMS, TRIGGER PRIMARY OUTPUT OUT1 TO UNLOCK DOOR, AND FOLLOW WITH TRIGGER OF AUXILIARY OUTPUT OUT3 TO ACTIVATE AUTOMATIC DOOR OPENER (ADO).
ENTRY OPERATION: AUTOMATIC DOOR OPENER (ADO) IS ACTIVATED AFTER VALID CARD READ FOLLOWED BY PRESS OF ENTRY DOOR PUSH PLATE.

CABLE INDEX

SYM	DESCRIPTION	SYM	DESCRIPTION
EP	2C, WALL FIELD WIRING	EU	18AWG/2C, OVERALL SHIELDED, OUTDOOR WCW P/N 714110VNQ
FP	18AWG/4C, UNSHIELDED, PLENUM WCW P/N 442380	QU	18AWG/4C, OVERALL SHIELDED, OUTDOOR WCW P/N 714310VNQ
MP	16AWG/4C, OVERALL SHIELDED, PLENUM WCW P/N 441340	MU	16AWG/4C, OVERALL SHIELDED, OUTDOOR WCW P/N 713310VNQ
RP	18AWG/1P, SHIELDED, STRD, PLENUM WCW P/N 052000LC	RU	18AWG/1P, SHIELDED, STRD, OUTDOOR WCW P/N 108760DB
SP	22AWG/1P,SHLD & 18AWG/2C,UNS,PLNM WCW P/N CRESCOMP-WHT		
LC	CAT6 PATCH CORD, C2G		
LP	CAT6, UTP, PLENUM WCW P/N 556600	LU	CAT6, UTP, OUTDOOR WCW P/N 775600-110DB
XP	CAT6, UTP, LONG-DISTANCE, PLENUM GAMECHANGER P/N 258300310	XU	CAT6, UTP, LONG-DISTANCE, OUTDOOR GAMECHANGER P/N 258330804
BP	DUPLEX OM3 FIBER PATCH CORD, C2G	AU	6-STR OM3 FIBER, INDOOR/OUTDOOR CORNING P/N 006T8P-31180-29
V	VENDOR/MANUFACTURER SUPPLIED CABLE		

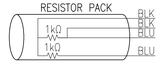




JUMPER SETTINGS

JUMPER	DESCRIPTION	SETTING
J1	READER POWER	PASS (PT)
J4	RS-485 EOL	OPEN (DISCONNECT)
SW1 (1-5)	DEVICE ADDRESS	(10100) [5]
SW1 (6-7)	COMMUNICATION BAUD RATE	(11) [38,400 BPS]
SW1 (8)	DOWNSTREAM ENCRYPTION	(0) [OFF]
FOR SW1, 1 MEANS ON, 0 MEANS OFF.		

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FEDERAL AVIATION ADMINISTRATION
SOUTHERN REGION — ATLANTA, GA

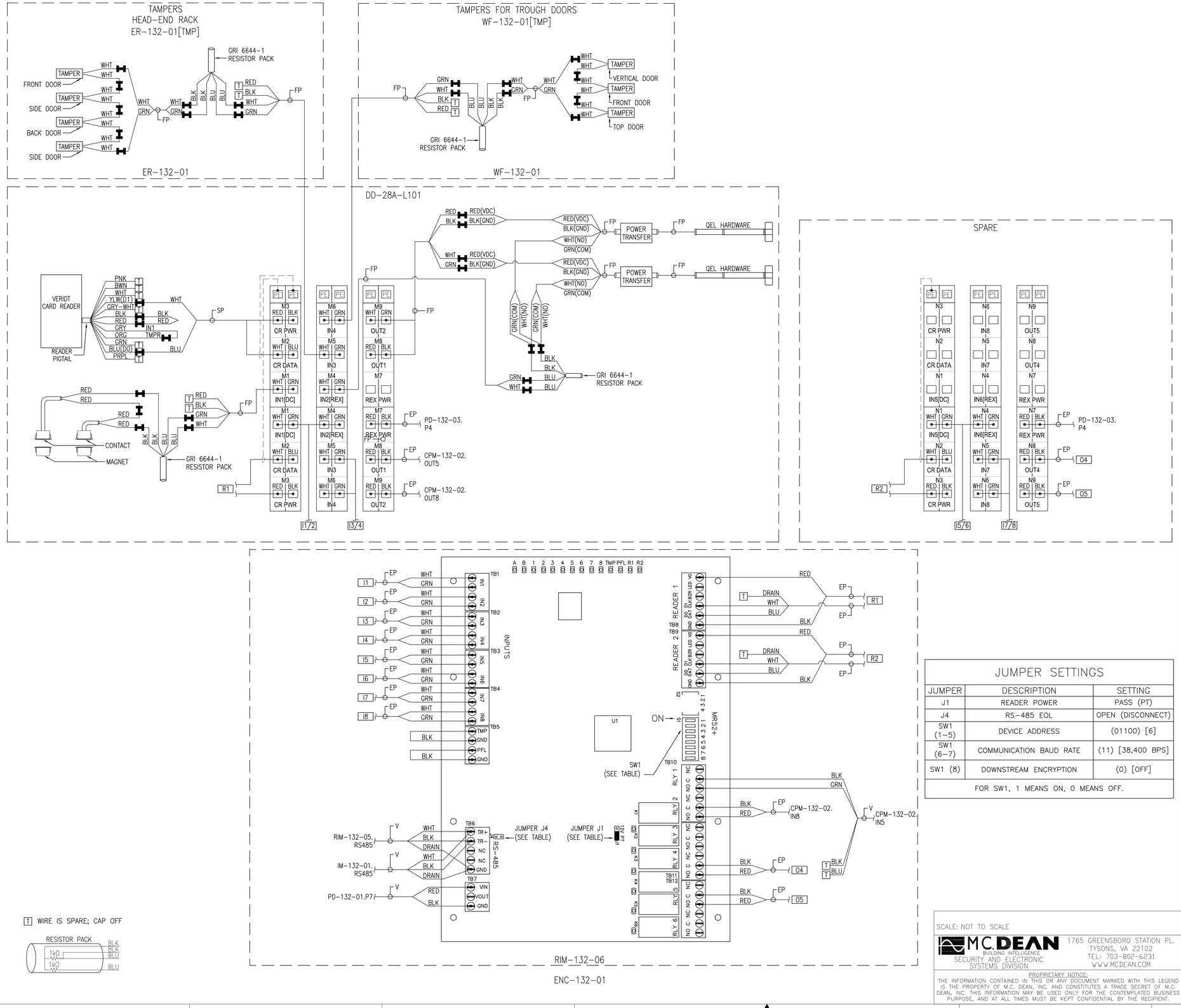
ASHEVILLE ATCT-TRACON
SECURITY SYSTEM DESIGN
DOORS 101B AND 143A WIRING DIAGRAMS

SCALE: NOT TO SCALE

M.C. DEAN
BUILDING INTELLIGENCE
SECURITY AND ELECTRONIC SYSTEMS DIVISION
1765 GREENSBORO STATION PL.
TYSONS, VA 22102
TEL: 703-802-6231
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ASHEVILLE	AVL		NC
REVIEWED BY	SUBMITTED BY: ANDREW MILHOLLIN	APPROVED BY	
	ALTERNATE TECHNICAL REPRESENTATIVE		
	DESIGNED BY: A. VOGLER	ISSUED BY: M.C. DEAN, INC.	DATE: 05/17/2023 JCN
	DRAWN BY: J. CUNNINGHAM		DRAWING NUMBER: AVL-D-ATCT-Y516 REV: –
	CHECKED BY: S. MILLER		



GENERAL NOTES:

1. REFER TO PACS POWER WIRING DIAGRAMS FOR POWER DISTRIBUTION (PD) AND CONTROLLED POWER MODULE (CPM) WIRING AS WELL AS THEIR JUMPER SETTINGS.
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LC	CAT6 PATCH CORD, C2G		
LP	CAT6, UTP, PLENUM WCW P/N 556600	LU	CAT6, UTP, OUTDOOR WCW P/N 775600-110DB
XP	CAT6, UTP, LONG-DISTANCE, PLENUM GAMECHANGER P/N 258300310	XU	CAT6, UTP, LONG-DISTANCE, OUTDOOR GAMECHANGER P/N 258330804
BP	DUPLEX OM3 FIBER PATCH CORD, C2G	AU	6-STR OM3 FIBER, INDOOR/OUTDOOR CORNING P/N 0067BP-31180-29
V	VENDOR/MANUFACTURER SUPPLIED CABLE		

JUMPER SETTINGS

JUMPER	DESCRIPTION	SETTING
J1	READER POWER	PASS (PT)
J4	RS-485 EOL	OPEN (DISCONNECT)
SW1 (1-5)	DEVICE ADDRESS	(01100) [6]
SW1 (6-7)	COMMUNICATION BAUD RATE	(11) [38,400 BPS]
SW1 (8)	DOWNSTREAM ENCRYPTION	(0) [OFF]
FOR SW1, 1 MEANS ON, 0 MEANS OFF.		

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

SOUTHERN REGION — ATLANTA, GA

ASHEVILLE ATCT-TRACON
SECURITY SYSTEM DESIGN
DOOR L101 WIRING DIAGRAM

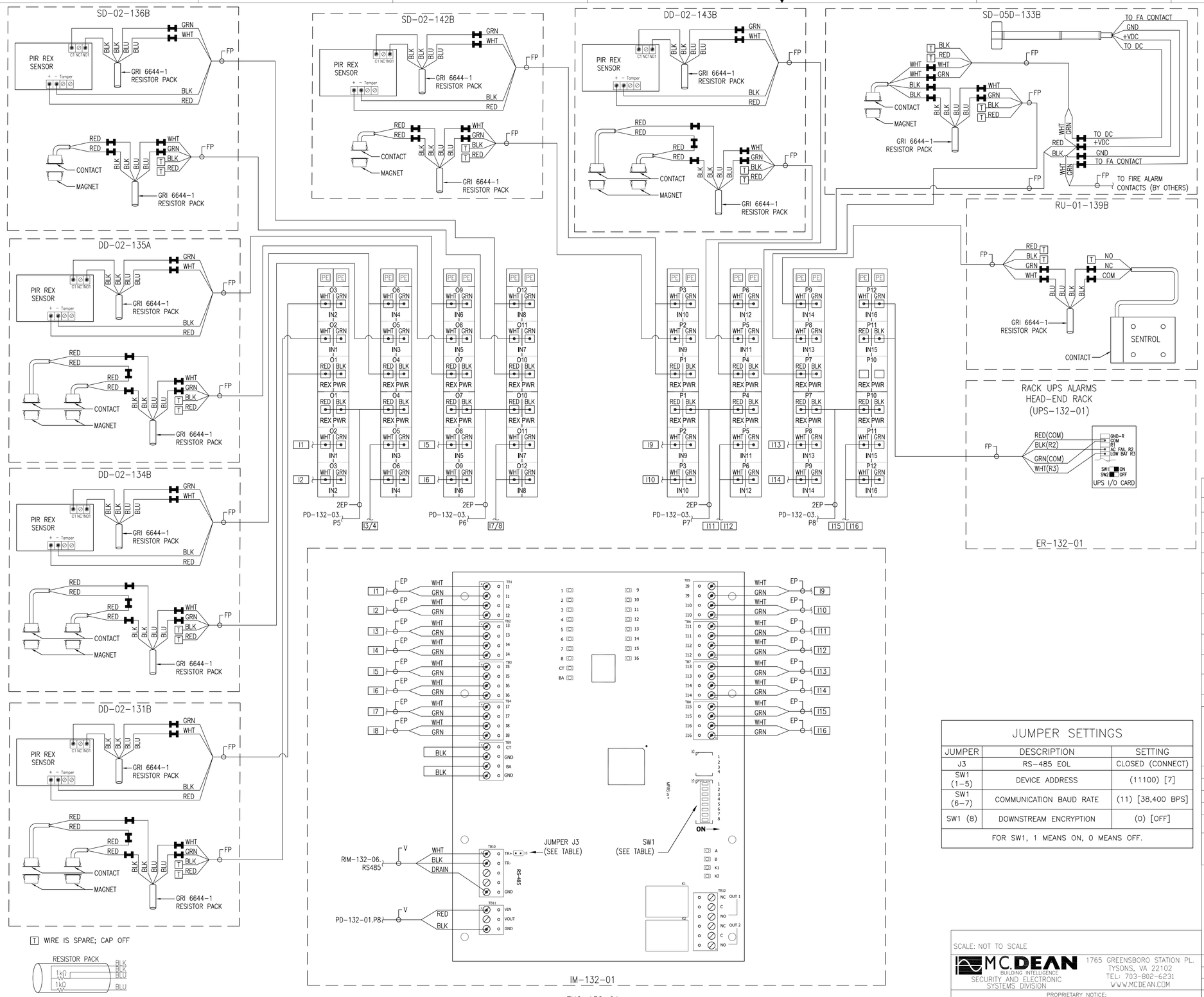
SCALE: NOT TO SCALE

MCDEAN BUILDING INTELLIGENCE
SECURITY AND ELECTRONIC SYSTEMS DIVISION
1765 GREENSBORO STATION PL.
TYSONS, VA 22102
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ASHEVILLE — AVL — NC

REVIEWED BY	SUBMITTED BY	APPROVED BY
	ANDREW MILHOLLIN	
	ALTERNATE TECHNICAL REPRESENTATIVE	
	DESIGNED BY: A. VOGLER — ISSUED BY: M.C. DEAN, INC.	DATE: 05/17/2023 — JCN
	DRAWN BY: J. CUNNINGHAM	DRAWING NUMBER: AVL-D-ATCT-Y517 — REV: –
	CHECKED BY: S. MILLER	



GENERAL NOTES:

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MP	16AWG/4C, OVERALL SHIELDED, PLENUM WCW P/N 441340	MU	16AWG/4C, OVERALL SHIELDED, OUTDOOR WCW P/N 713310VNQ
RP	18AWG/1P, SHIELDED, STRD, PLENUM WCW P/N 052000LC	RU	18AWG/1P, SHIELDED, STRD, OUTDOOR WCW P/N 108760DB
SP	22AWG/1P,SHLD & 18AWG/2C,UNS,PLNM WCW P/N CRESCOMP-WHT		
LC	CAT6 PATCH CORD, C2G		
LP	CAT6, UTP, PLENUM WCW P/N 556600	LU	CAT6, UTP, OUTDOOR WCW P/N 775600-110DB
XP	CAT6, UTP, LONG-DISTANCE, PLENUM GAMECHANGER P/N 258300310	XU	CAT6, UTP, LONG-DISTANCE, OUTDOOR GAMECHANGER P/N 258330804
BP	DUPLEX OM3 FIBER PATCH CORD, C2G	AU	6-STR OM3 FIBER, INDOOR/OUTDOOR CORNING P/N 00678P-31180-29
V	VENDOR/MANUFACTURER SUPPLIED CABLE		

JUMPER SETTINGS

JUMPER	DESCRIPTION	SETTING
J3	RS-485 EOL	CLOSED (CONNECT)
SW1 (1-5)	DEVICE ADDRESS	(11100) [7]
SW1 (6-7)	COMMUNICATION BAUD RATE	(11) [38,400 BPS]
SW1 (8)	DOWNSTREAM ENCRYPTION	(0) [OFF]

FOR SW1, 1 MEANS ON, 0 MEANS OFF.

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHERN REGION — ATLANTA, GA

ASHEVILLE ATCT-TRACON
SECURITY SYSTEM DESIGN
MONITOR DOORS WIRING DIAGRAMS

SCALE: NOT TO SCALE

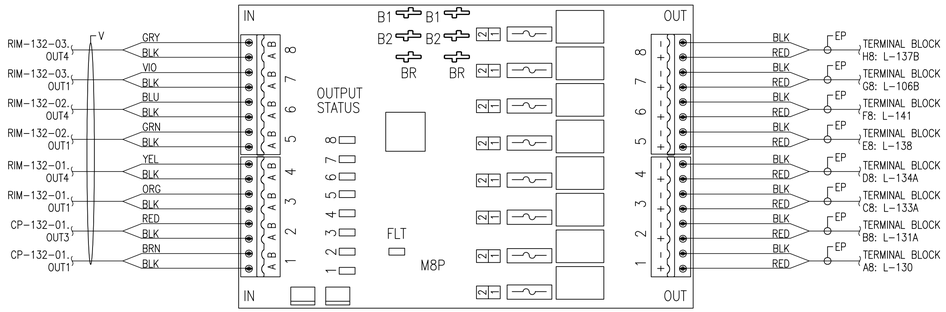
MC DEAN BUILDING INTELLIGENCE SECURITY AND ELECTRONIC SYSTEMS DIVISION
1765 GREENSBORO STATION PL.
TYSONS, VA 22102
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ASHEVILLE — AVL — NC

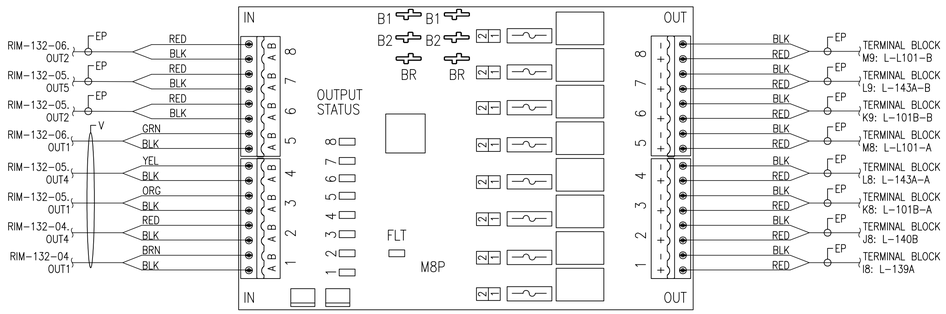
REVIEWED BY	SUBMITTED BY	APPROVED BY
	ANDREW MILHOLLIN	
	ALTERNATE TECHNICAL REPRESENTATIVE	
	DESIGNED BY: A. VOGLER — ISSUED BY: M.C. DEAN, INC.	DATE: 05/17/2023 — JCN
	DRAWN BY: J. CUNNINGHAM	DRAWING NUMBER: AVL-D-ATCT-Y518 — REV: –
	CHECKED BY: S. MILLER	

CPM-132-01 POWER	
BUS	POWER SUPPLY
B1	FPO1 24VDC 250W
B2	FPO2 12VDC 150W



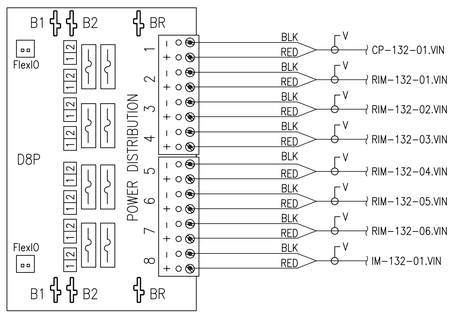
JUMPER SETTINGS	
JP1	1
JP2	1
JP3	1
JP4	1
JP5	1
JP6	1
JP7	1
JP8	1

CPM-132-02 POWER	
BUS	POWER SUPPLY
B1	FPO1 24VDC 250W
B2	FPO2 12VDC 150W



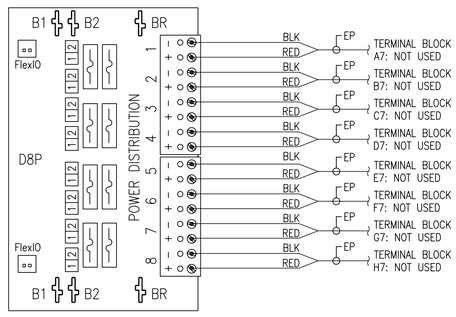
JUMPER SETTINGS	
JP1	1
JP2	1
JP3	1
JP4	1
JP5	1
JP6	1
JP7	1
JP8	1

PD-132-01 POWER	
BUS	POWER SUPPLY
B1	FPO1 24VDC 250W
B2	FPO2 12VDC 150W



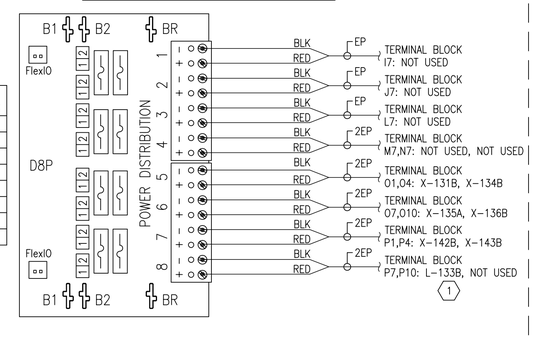
JUMPER SETTINGS	
JP1	2
JP2	2
JP3	2
JP4	2
JP5	2
JP6	2
JP7	2
JP8	2

PD-132-02 POWER	
BUS	POWER SUPPLY
B1	FPO1 24VDC 250W
B2	FPO2 12VDC 150W



JUMPER SETTINGS	
JP1	2
JP2	2
JP3	2
JP4	2
JP5	2
JP6	2
JP7	2
JP8	2

PD-132-03 POWER	
BUS	POWER SUPPLY
B1	FPO1 24VDC 250W
B2	FPO2 12VDC 150W



JUMPER SETTINGS	
JP1	2
JP2	2
JP3	2
JP4	2
JP5	2
JP6	2
JP7	2
JP8	1

ENC-132-01

GENERAL NOTES:

1 REFER TO DOOR WIRING DIAGRAMS FOR DETAILED WIRING OF TERMINAL BLOCKS AND LENEL BOARDS.

KEYNOTES:

(1) CONFIRM REQUIRED DC VOLTAGE FOR DELAYED EGRESS EMERGENCY EXIT DEVICE AFTER GENERAL CONTRACTOR REVIEW OF DOOR HARDWARE SCHEDULE.

CABLE INDEX

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FEDERAL AVIATION ADMINISTRATION
SOUTHERN REGION — ATLANTA, GA

ASHEVILLE ATCT-TRACON
SECURITY SYSTEM DESIGN
PACS ENCLOSURE ENC-132-01
POWER WIRING DIAGRAM

SCALE: NOT TO SCALE

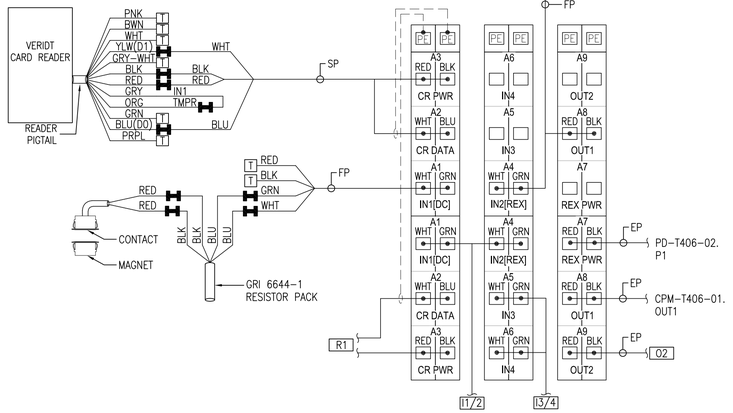
MC DEAN BUILDING INTELLIGENCE SECURITY AND ELECTRONIC SYSTEMS DIVISION
1765 GREENSBORO STATION PL.
TYSONS, VA 22102
TEL: 703-802-6231
WWW.MCDEAN.COM

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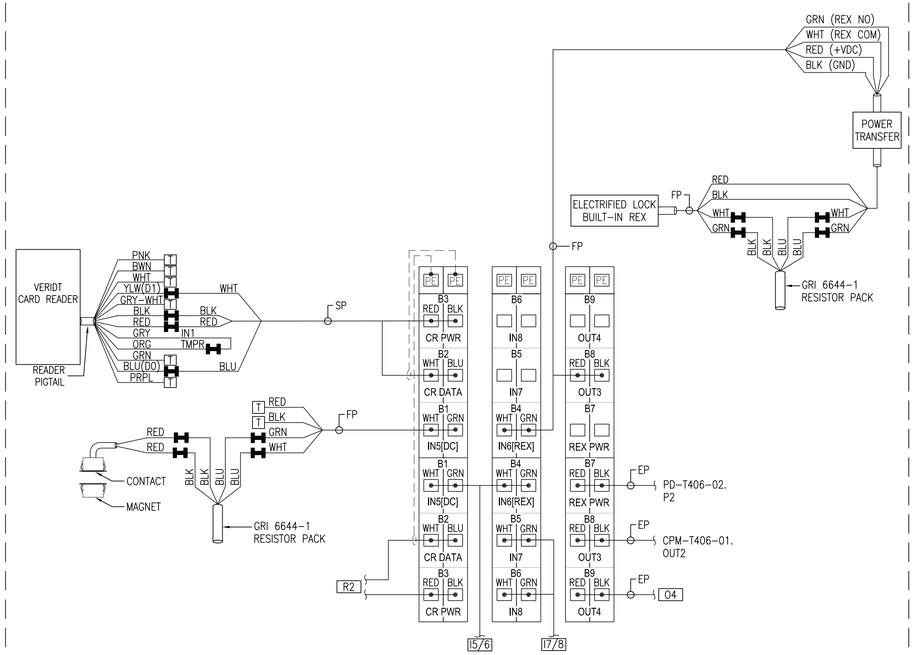
ASHEVILLE — AVL — NC

REVIEWED BY	SUBMITTED BY	APPROVED BY
	ANDREW MILHOLLIN	
	ALTERNATE TECHNICAL REPRESENTATIVE	
	DESIGNED BY: A. VOGLER — ISSUED BY: M.C. DEAN, INC. — DATE: 05/17/2023 — JCN	
	DRAWN BY: J. CUNNINGHAM	DRAWING NUMBER: AVL-D-ATCT-Y519 — REV: –
	CHECKED BY: S. MILLER	

SD-21-T400



SD-21-T511B

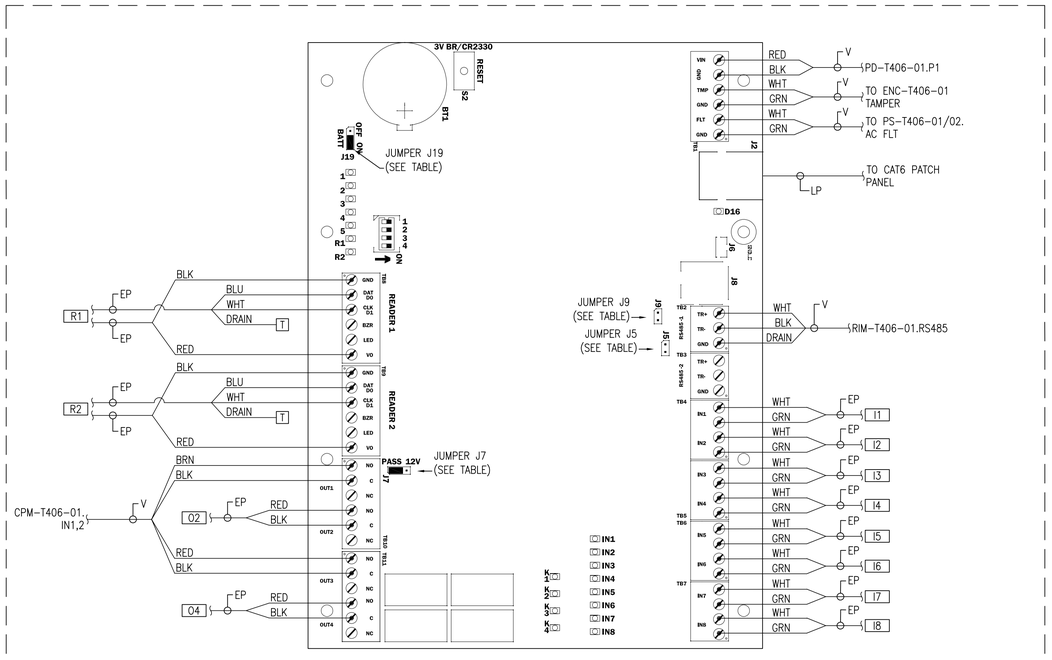


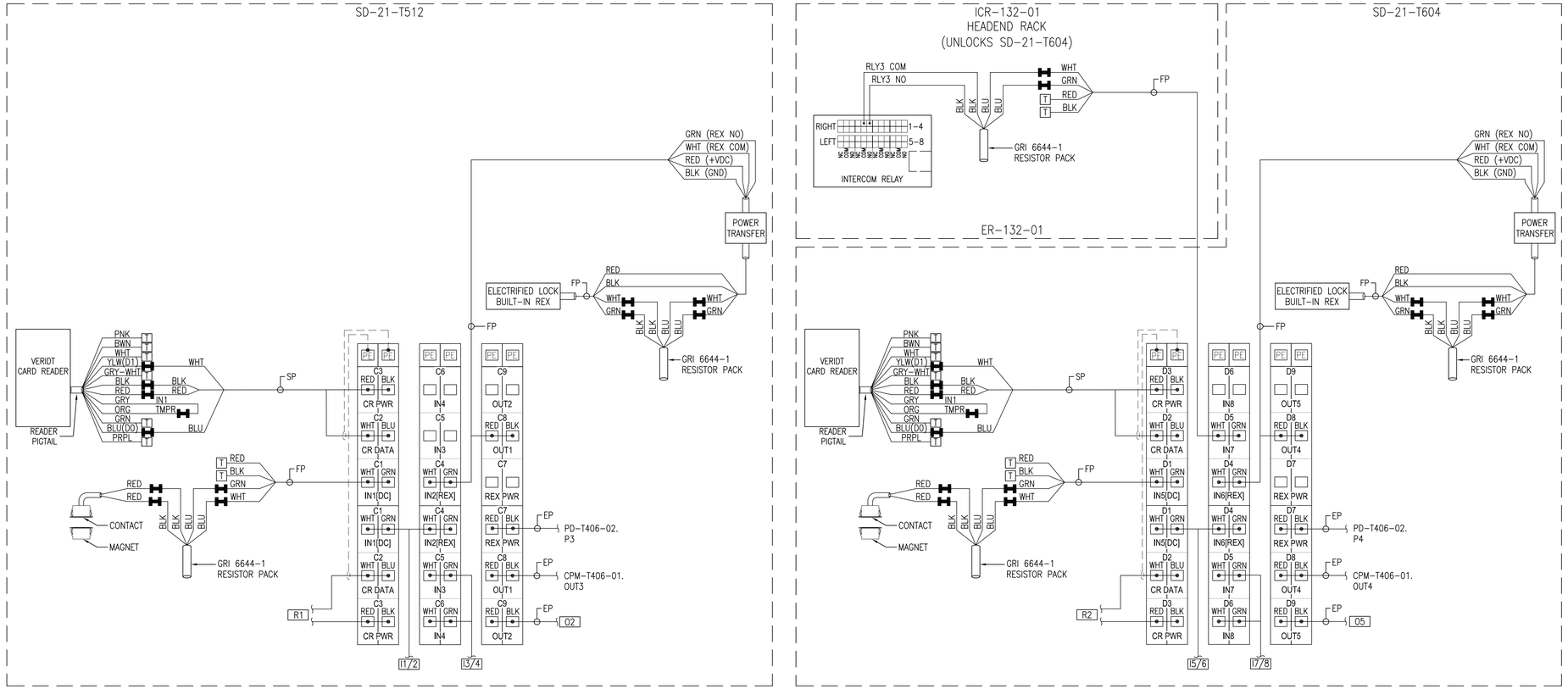
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1. REFER TO PACS POWER WIRING DIAGRAMS FOR POWER DISTRIBUTION (PD) AND CONTROLLED POWER MODULE (CPM) WIRING AS WELL AS THEIR JUMPER SETTINGS.
2. GENERAL CONTRACTOR IS RESPONSIBLE FOR DOOR HARDWARE, ELECTRIFIED LOCKING HARDWARE, POWER TRANSFER HINGES, AND DOOR CONTACTS. MC DEAN IS RESPONSIBLE FOR ALL CARD READERS AND REQUEST-TO-EXIT DEVICES.

CABLE INDEX

SYM	DESCRIPTION	SYM	DESCRIPTION
EP	2C, WALL FIELD WIRING	EU	18AWG/2C, OVERALL SHIELDED, OUTDOOR WCW P/N 714110VNQ
FP	18AWG/4C, UNSHIELDED, PLENUM WCW P/N 442380	QU	18AWG/4C, OVERALL SHIELDED, OUTDOOR WCW P/N 714310VNQ
MP	16AWG/4C, OVERALL SHIELDED, PLENUM WCW P/N 441340	MU	16AWG/4C, OVERALL SHIELDED, OUTDOOR WCW P/N 713310VNQ
RP	18AWG/1P, SHIELDED, STRD, PLENUM WCW P/N 052000LC	RU	18AWG/1P, SHIELDED, STRD, OUTDOOR WCW P/N 108760DB
SP	22AWG/1P,SHLD & 18AWG/2C,UNS,PLNM WCW P/N CRESCOMP-WHT		
LC	CAT6 PATCH CORD, C2G		
LP	CAT6, UTP, PLENUM WCW P/N 556600	LU	CAT6, UTP, OUTDOOR WCW P/N 775600-110DB
XP	CAT6, UTP, LONG-DISTANCE, PLENUM GAMECHANGER P/N 258300310	XU	CAT6, UTP, LONG-DISTANCE, OUTDOOR GAMECHANGER P/N 258330804
BP	DUPLEX OM3 FIBER PATCH CORD, C2G	AU	6-STR OM3 FIBER, INDOOR/OUTDOOR CORNING P/N 006T8P-31180-29
V	VENDOR/MANUFACTURER SUPPLIED CABLE		



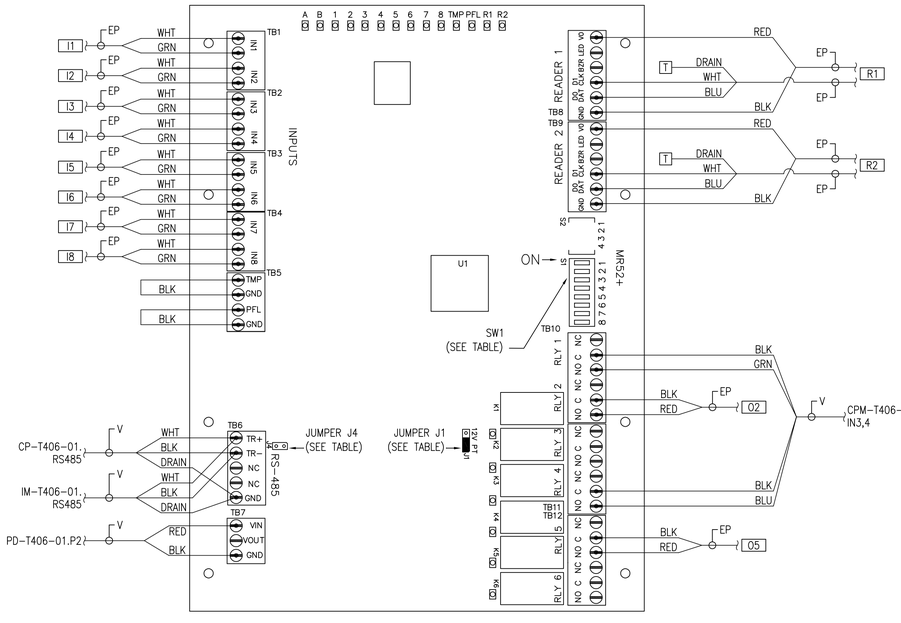


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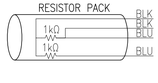


JUMPER SETTINGS

JUMPER	DESCRIPTION	SETTING
J1	READER POWER	PASS (PT)
J4	RS-485 EOL	OPEN (DISCONNECT)
SW1 (1-5)	DEVICE ADDRESS	(10000) [1]
SW1 (6-7)	COMMUNICATION BAUD RATE	(11) [38,400 BPS]
SW1 (8)	DOWNSTREAM ENCRYPTION	(0) [OFF]

FOR SW1, 1 MEANS ON, 0 MEANS OFF.

T WIRE IS SPARE; CAP OFF



SENSITIVE SECURITY INFORMATION

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REV	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
–	05/17/23	95% DRAWING FINAL			
–	07/19/22	ISSUED FOR 95% DRAWING REVIEW			

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHERN REGION — ATLANTA, GA

ASHEVILLE ATCT-TRACON
SECURITY SYSTEM DESIGN
DOORS T512 & T604 WIRING DIAGRAM

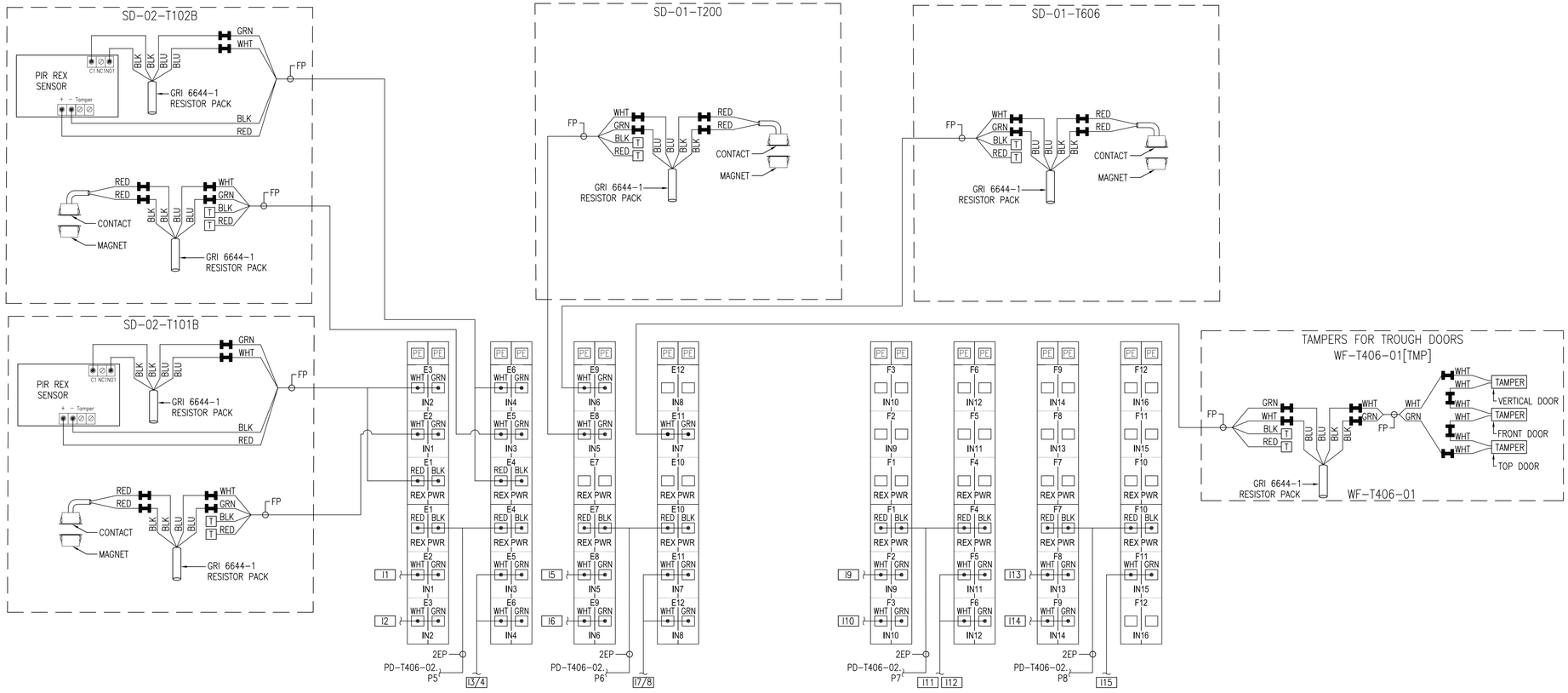
SCALE: NOT TO SCALE

M.C. DEAN
BUILDING INTELLIGENCE
SECURITY AND ELECTRONIC SYSTEMS DIVISION
1765 GREENSBORO STATION PL.
TYSONS, VA 22102
TEL: 703-802-6231
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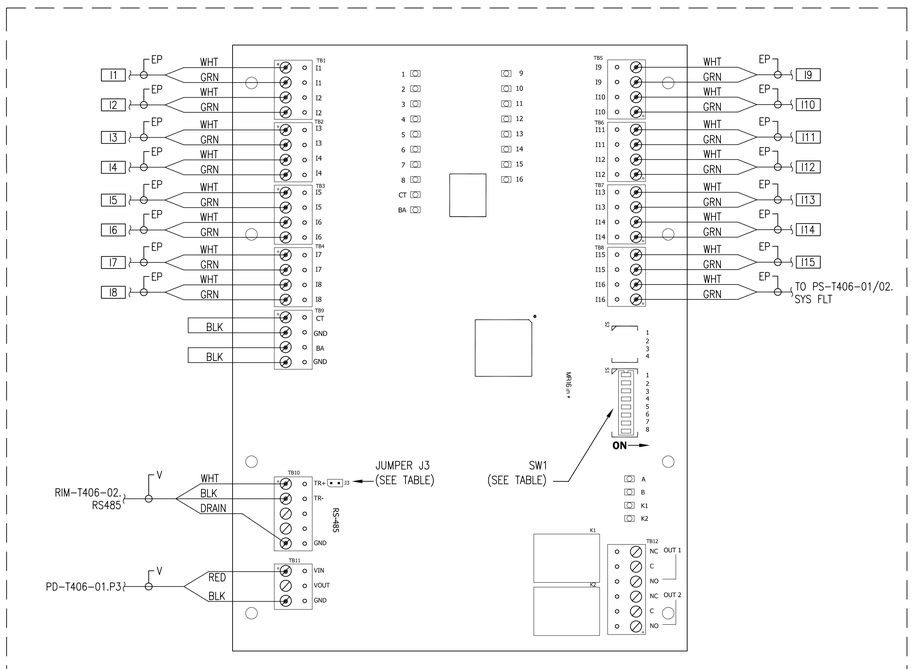
ASHEVILLE — AVL — NC

REVIEWED BY	SUBMITTED BY	APPROVED BY
	ANDREW MILHOLLIN	
	ALTERNATE TECHNICAL REPRESENTATIVE	
DESIGNED BY: A. VOGLER	ISSUED BY: M.C. DEAN, INC.	DATE: 05/17/2023 JCN
DRAWN BY: J. CUNNINGHAM		DRAWING NUMBER: AVL-D-ATCT-Y521 REV: –
CHECKED BY: S. MILLER		

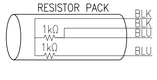


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T WIRE IS SPARE; CAP OFF



JUMPER SETTINGS

JUMPER	DESCRIPTION	SETTING
J3	RS-485 EOL	CLOSED (CONNECT)
SW1 (1–5)	DEVICE ADDRESS	(01000) [2]
SW1 (6–7)	COMMUNICATION BAUD RATE	(11) [38,400 BPS]
SW1 (8)	DOWNSTREAM ENCRYPTION	(0) [OFF]
FOR SW1, 1 MEANS ON, 0 MEANS OFF.		

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V	VENDOR/MANUFACTURER SUPPLIED CABLE		

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHERN REGION — ATLANTA, GA

ASHEVILLE ATCT-TRACON
SECURITY SYSTEM DESIGN
MONITOR DOORS & TAMPERS WIRING DIAGRAMS

ASHEVILLE — AVL — NC

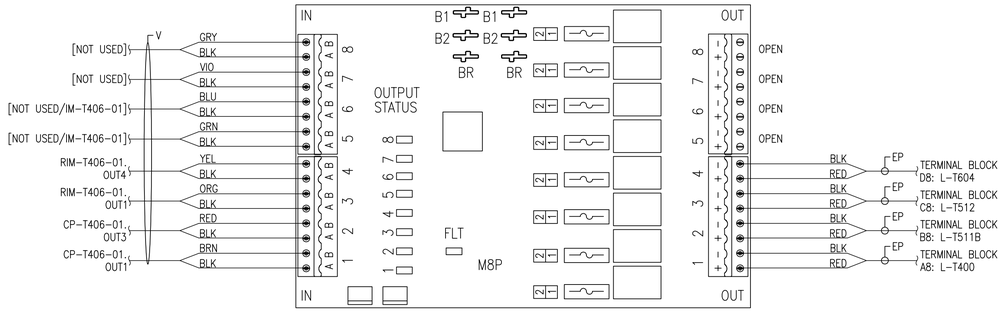
SCALE: NOT TO SCALE

M.C. DEAN
BUILDING INTELLIGENCE
SECURITY AND ELECTRONIC SYSTEMS DIVISION
1765 GREENSBORO STATION PL.
TYSONS, VA 22102
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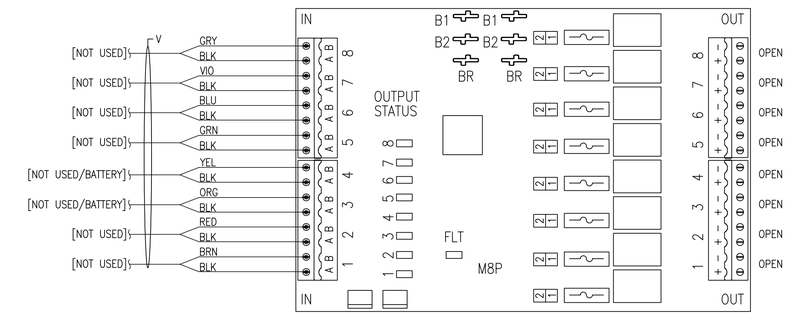
REVIEWED BY	SUBMITTED BY	APPROVED BY
	ANDREW MILHOLLIN	
	ALTERNATE TECHNICAL REPRESENTATIVE	
	DESIGNED BY: A. VOGLER — ISSUED BY: M.C. DEAN, INC.	DATE: 05/17/2023 JCN
	DRAWN BY: J. CUNNINGHAM	DRAWING NUMBER: AVL-D-ATCT-Y522 REV: –
	CHECKED BY: S. MILLER	

CPM-T406-01 POWER	
BUS	POWER SUPPLY
B1	FPO1 24VDC 250W
B2	FPO2 12VDC 150W



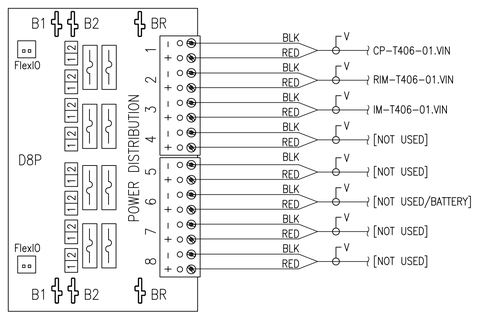
JUMPER SETTINGS	
JP1	1
JP2	1
JP3	1
JP4	1
JP5	1
JP6	1
JP7	1
JP8	1

CPM-T406-02 POWER	
BUS	POWER SUPPLY
B1	FPO1 24VDC 250W
B2	FPO2 12VDC 150W



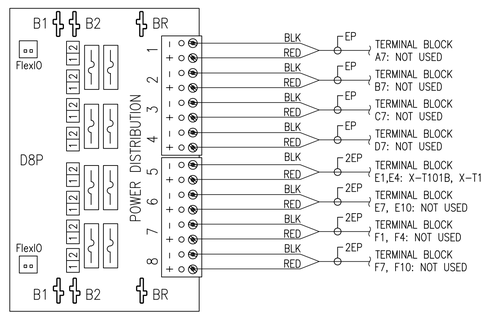
JUMPER SETTINGS	
JP1	1
JP2	1
JP3	1
JP4	1
JP5	1
JP6	1
JP7	1
JP8	1

PD-T406-01 POWER	
BUS	POWER SUPPLY
B1	FPO1 24VDC 250W
B2	FPO2 12VDC 150W



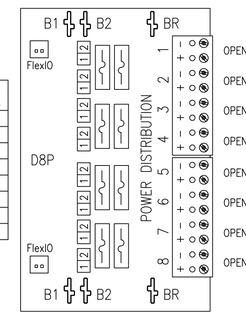
JUMPER SETTINGS	
JP1	2
JP2	2
JP3	2
JP4	2
JP5	2
JP6	2
JP7	2
JP8	2

PD-T406-02 POWER	
BUS	POWER SUPPLY
B1	FPO1 24VDC 250W
B2	FPO2 12VDC 150W



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JP1	2
JP2	2
JP3	2
JP4	2
JP5	2
JP6	2
JP7	2
JP8	2

PD-T406-03 POWER	
BUS	POWER SUPPLY
B1	FPO1 24VDC 250W
B2	FPO2 12VDC 150W



JUMPER SETTINGS	
JP1	2
JP2	2
JP3	2
JP4	2
JP5	2
JP6	2
JP7	2
JP8	2

ENC-T406-01

GENERAL NOTES:

1 REFER TO DOOR WIRING DIAGRAMS FOR DETAILED WIRING OF TERMINAL BLOCKS AND LENEL BOARDS.

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHERN REGION ATLANTA, GA

ASHEVILLE ATCT-TRACON
SECURITY SYSTEM DESIGN
PACS ENCLOSURE ENC-T406-01 POWER WIRING DIAGRAM

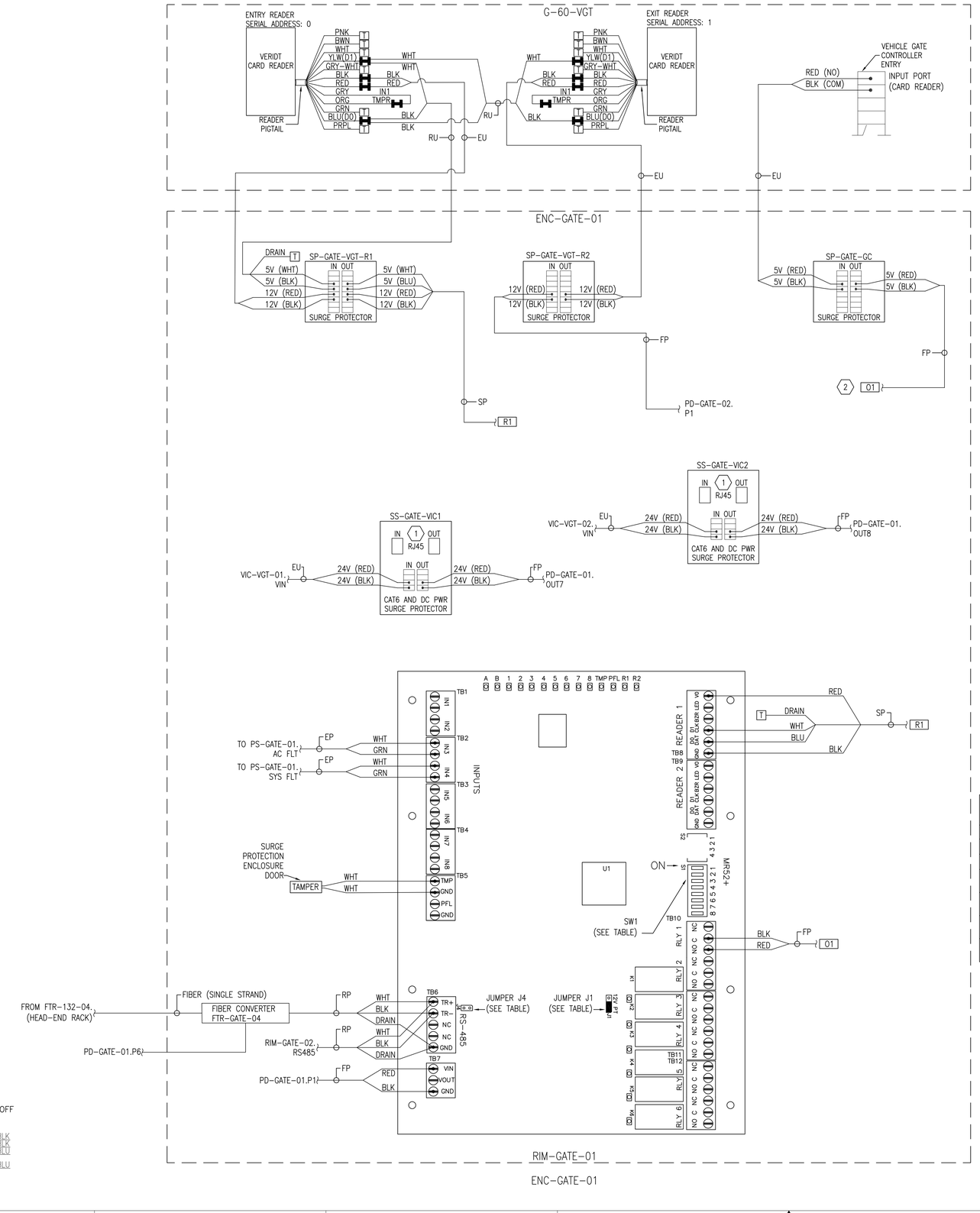
ASHEVILLE AVL NC

SCALE: NOT TO SCALE

M.C. DEAN BUILDING INTELLIGENCE SECURITY AND ELECTRONIC SYSTEMS DIVISION
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REVIEWED BY	SUBMITTED BY	APPROVED BY
	ANDREW MILHOLLIN	
	ALTERNATE TECHNICAL REPRESENTATIVE	
	DESIGNED BY: A. VOGLER; ISSUED BY: M.C. DEAN, INC.	DATE: 05/17/2023; JCN:
	DRAWN BY: J. CUNNINGHAM	DRAWING NUMBER: AVL-D-ATCT-Y523; REV: –
	CHECKED BY: S. MILLER	



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KEYNOTES:

(1) GATE VIDEO INTERCOM STATIONS TO BE POWERED EXTERNALLY (POE NOT USED). SURGE PROTECTOR MODEL DTK-PVPIPS USED TO JOINTLY PROTECT NETWORK CABLING AND POWER SUPPLY LINES.

(2) PROGRAM INTERCOM SYSTEM TO FOLLOW A VALID REQUEST FROM EITHER VIDEO INTERCOM AT MAIN ENTRY GATE PEDESTAL TO SIGNAL RIM-132-01, IN7 THROUGH THE INTERCOM RELAY. FOLLOW WITH OUT1 ON RIM-GATE-01 TO OPEN VEHICLE GATE.

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SP	22AWG/1P,SHLD & 18AWG/2C,UNS,PLNM WCW P/N CRESCOMP-WHT		
LC	CAT6 PATCH CORD, C2G		
LP	CAT6, UTP, PLENUM WCW P/N 556600	LU	CAT6, UTP, OUTDOOR WCW P/N 775600-110DB
XP	CAT6, UTP, LONG-DISTANCE, PLENUM GAMECHANGER P/N 258300310	XU	CAT6, UTP, LONG-DISTANCE, OUTDOOR GAMECHANGER P/N 258330804
BP	DUPLEX OM3 FIBER PATCH CORD, C2G	AU	6-STR OM3 FIBER, INDOOR/OUTDOOR CORNING P/N 006T8P-31180-29
V	VENDOR/MANUFACTURER SUPPLIED CABLE		

JUMPER SETTINGS

JUMPER	DESCRIPTION	SETTING
J1	READER POWER	PASS (PT)
J4	RS-485 EOL	OPEN (DISCONNECT)
SW1 (1-5)	DEVICE ADDRESS	(10000) [1]
SW1 (6-7)	COMMUNICATION BAUD RATE	(11) [38,400 BPS]
SW1 (8)	DOWNSTREAM ENCRYPTION	(0) [OFF]
FOR SW1, 1 MEANS ON, 0 MEANS OFF.		

SENSITIVE SECURITY INFORMATION

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–	05/17/23	95% DRAWING FINAL			
–	07/19/22	ISSUED FOR 95% DRAWING REVIEW			

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHERN REGION — ATLANTA, GA

ASHEVILLE ATCT-TRACON
SECURITY SYSTEM DESIGN
VEHICLE GATE WIRING DIAGRAM

SCALE: NOT TO SCALE

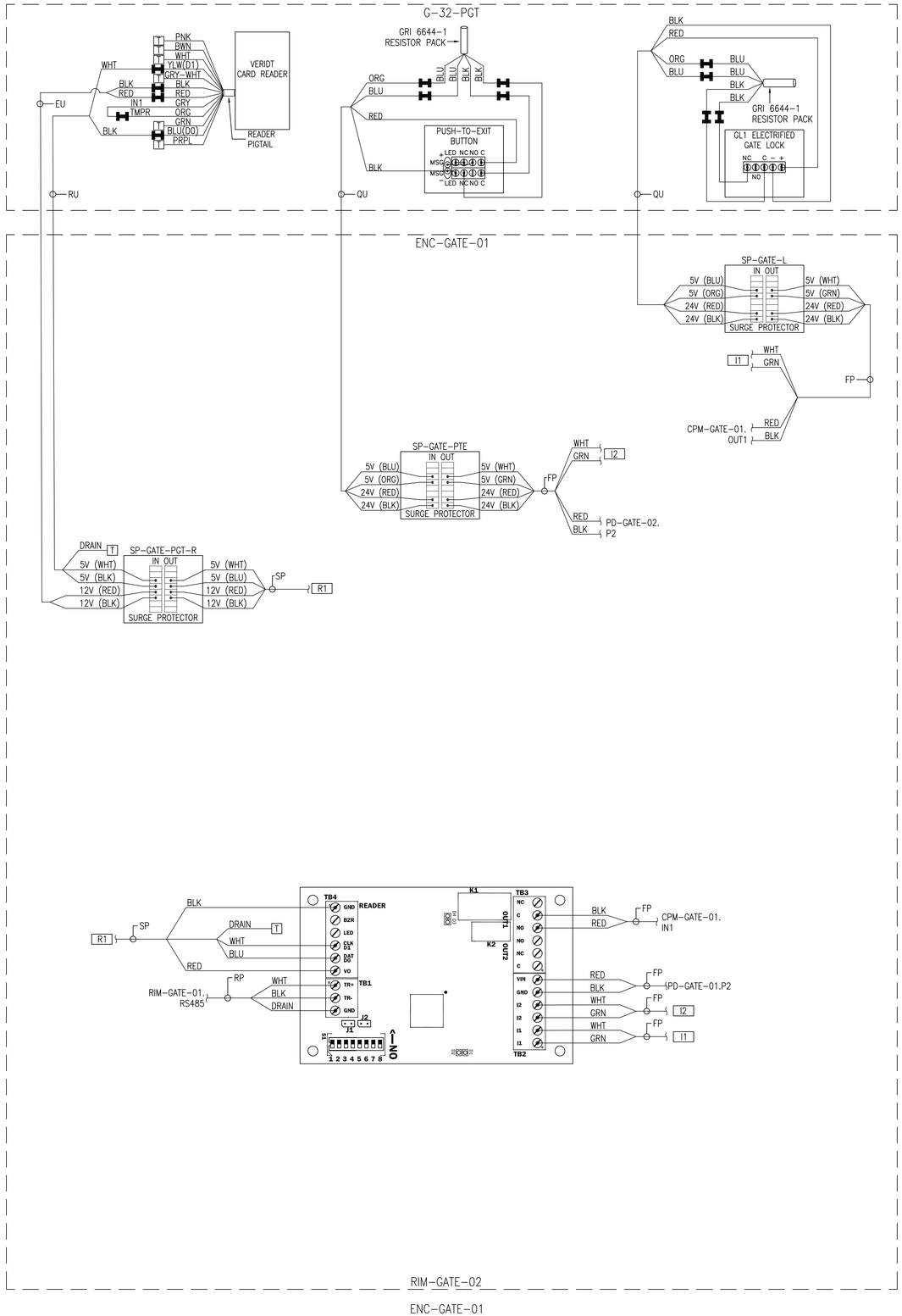
M.C. DEAN
BUILDING INTELLIGENCE
SECURITY AND ELECTRONIC SYSTEMS DIVISION
1765 GREENSBORO STATION PL.
TYSONS, VA 22102
TEL: 703-802-6231
WWW.MCDEAN.COM

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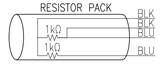
ASHEVILLE — AVL — NC

REVIEWED BY	SUBMITTED BY	APPROVED BY
	ANDREW MILHOLLIN	
	ALTERNATE TECHNICAL REPRESENTATIVE	

DESIGNED BY	ISSUED BY	DATE	JCN
A. VOGLER	M.C. DEAN, INC.	05/17/2023	
DRAWN BY: J. CUNNINGHAM		DRAWING NUMBER: AVL-D-ATCT-Y524	REV: –
CHECKED BY: S. MILLER			



T WIRE IS SPARE; CAP OFF



GENERAL NOTES:

1 REFER TO PACS POWER WIRING DIAGRAMS FOR POWER DISTRIBUTION (PD) AND CONTROLLED POWER MODULE (CPM) WIRING AS WELL AS THEIR JUMPER SETTINGS.

2 GENERAL CONTRACTOR IS RESPONSIBLE FOR DOOR HARDWARE, ELECTRIFIED LOCKING HARDWARE, POWER TRANSFER HINGES, AND DOOR CONTACTS. MC DEAN IS RESPONSIBLE FOR ALL CARD READERS AND REQUEST-TO-EXIT DEVICES.

JUMPER SETTINGS

JUMPER	DESCRIPTION	SETTING
J1	READER POWER	PASS (PT)
J4	RS-485 EOL	CLOSED (CONNECT)
SW1 (1-5)	DEVICE ADDRESS	(01000) [2]
SW1 (6-7)	COMMUNICATION BAUD RATE	(11) [38,400 BPS]
SW1 (8)	DOWNSTREAM ENCRYPTION	(0) [OFF]
FOR SW1, 1 MEANS ON, 0 MEANS OFF.		

CABLE INDEX

SYM	DESCRIPTION	SYM	DESCRIPTION
EP	2C, WALL FIELD WIRING	EU	18AWG/2C, OVERALL SHIELDED, OUTDOOR WCW P/N 714110VNQ
FP	18AWG/4C, UNSHIELDED, PLENUM WCW P/N 442380	QU	18AWG/4C, OVERALL SHIELDED, OUTDOOR WCW P/N 714310VNQ
MP	16AWG/4C, OVERALL SHIELDED, PLENUM WCW P/N 441340	MU	16AWG/4C, OVERALL SHIELDED, OUTDOOR WCW P/N 713310VNQ
RP	18AWG/1P, SHIELDED, STRD, PLENUM WCW P/N 052000LC	RU	18AWG/1P, SHIELDED, STRD, OUTDOOR WCW P/N 108760DB
SP	22AWG/1P,SHLD & 18AWG/2C,UNS,PLNM WCW P/N CRESCOMP-WHT		
LC	CAT6 PATCH CORD, C2G		
LP	CAT6, UTP, PLENUM WCW P/N 556600	LU	CAT6, UTP, OUTDOOR WCW P/N 775600-110DB
XP	CAT6, UTP, LONG-DISTANCE, PLENUM GAMECHANGER P/N 258300310	XU	CAT6, UTP, LONG-DISTANCE, OUTDOOR GAMECHANGER P/N 258330804
BP	DUPLEX OM3 FIBER PATCH CORD, C2G	AU	6-STR OM3 FIBER, INDOOR/OUTDOOR CORNING P/N 006T8P-31180-29
V	VENDOR/MANUFACTURER SUPPLIED CABLE		

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHERN REGION — ATLANTA, GA

ASHEVILLE ATCT-TRACON
SECURITY SYSTEM DESIGN
PEDESTRIAN GATE WIRING DIAGRAM

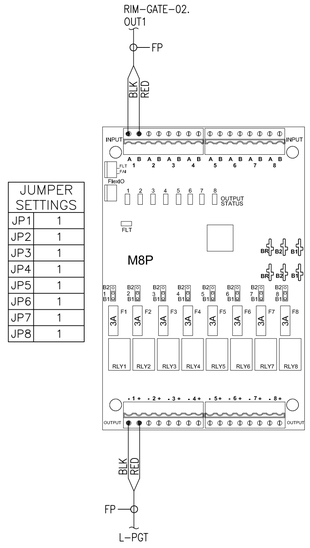
ASHEVILLE — AVL — NC

SCALE: NOT TO SCALE

M.C. DEAN
BUILDING INTELLIGENCE
SECURITY AND ELECTRONIC SYSTEMS DIVISION
1765 GREENSBORO STATION PL.
TYSONS, VA 22102
TEL: 703-802-6231
WWW.MCDEAN.COM

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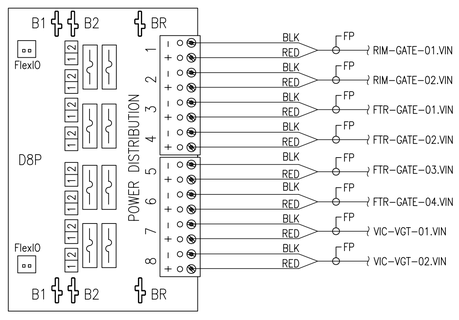
REVIEWED BY	
SUBMITTED BY	ANDREW MILHOLLIN
ALTERNATE TECHNICAL REPRESENTATIVE	
DESIGNED BY	A. VOGLER
DRAWN BY	J. CUNNINGHAM
CHECKED BY	S. MILLER
ISSUED BY	M.C. DEAN, INC.
APPROVED BY	
DATE	05/17/2023
JCN	
DRAWING NUMBER	AVL-D-ATCT-Y525
REV	–



JUMPER SETTINGS	
JP1	1
JP2	1
JP3	1
JP4	1
JP5	1
JP6	1
JP7	1
JP8	1

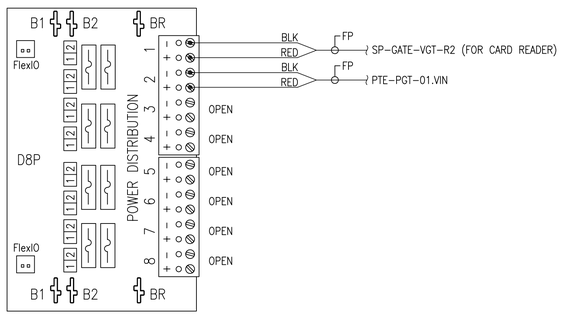
CPM-GATE-01 POWER	
BUS	POWER SUPPLY
B1	FPO1 24VDC 150W
B2	B100 12 VDC

PD-GATE-01 POWER	
BUS	POWER SUPPLY
B1	FPO1 24VDC 250W
B2	FPO2 12VDC 150W



JUMPER SETTINGS	
JP1	2
JP2	2
JP3	2
JP4	2
JP5	2
JP6	2
JP7	2
JP8	2

PD-GATE-02 POWER	
BUS	POWER SUPPLY
B1	FPO1 24VDC 250W
B2	FPO2 12VDC 150W



JUMPER SETTINGS	
JP1	2
JP2	2
JP3	2
JP4	2
JP5	2
JP6	2
JP7	2
JP8	2

ENC-GATE-01

GENERAL NOTES:

1 REFER TO GATE WIRING DIAGRAMS FOR DETAILED WIRING OF LENEL BOARDS.

CABLE INDEX

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHERN REGION ATLANTA, GA

ASHEVILLE ATCT-TRACON
SECURITY SYSTEM DESIGN
PACS ENCLOSURE ENC-GATE-01
POWER WIRING DIAGRAM

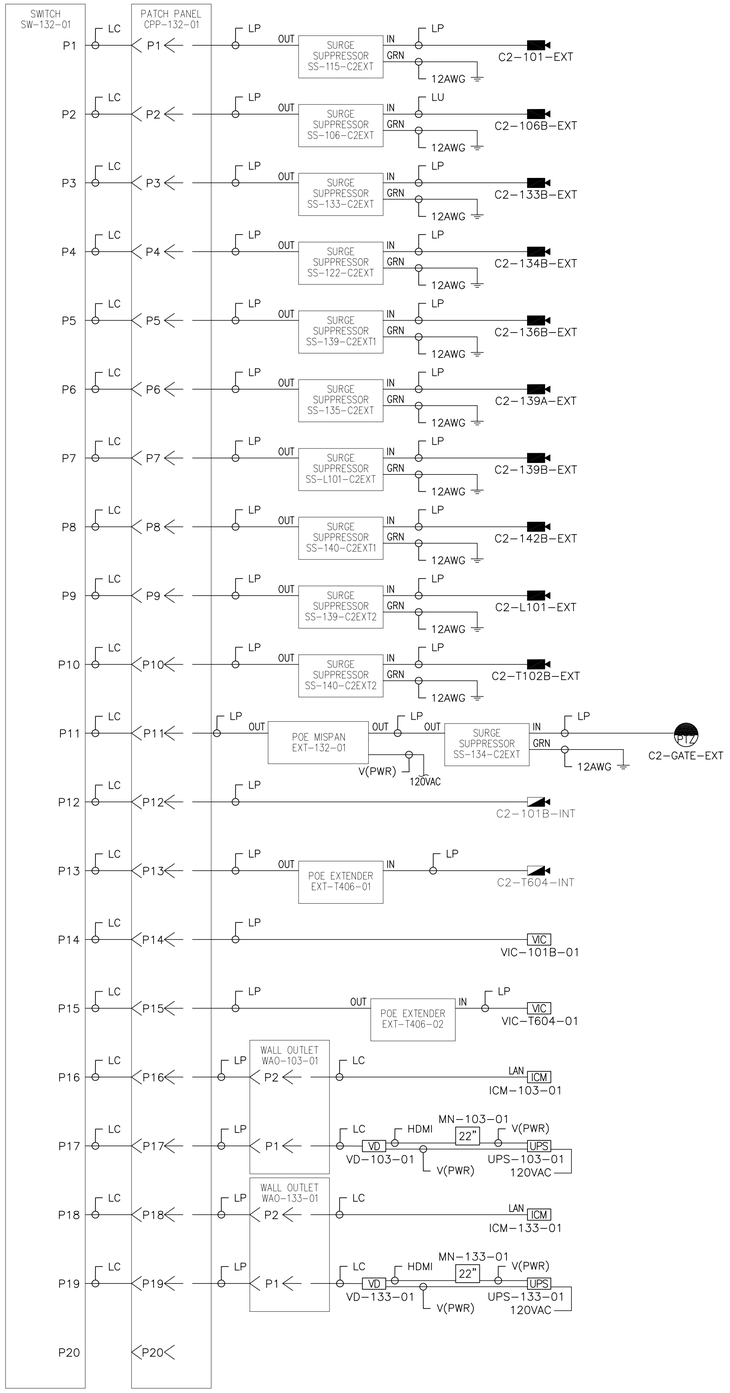
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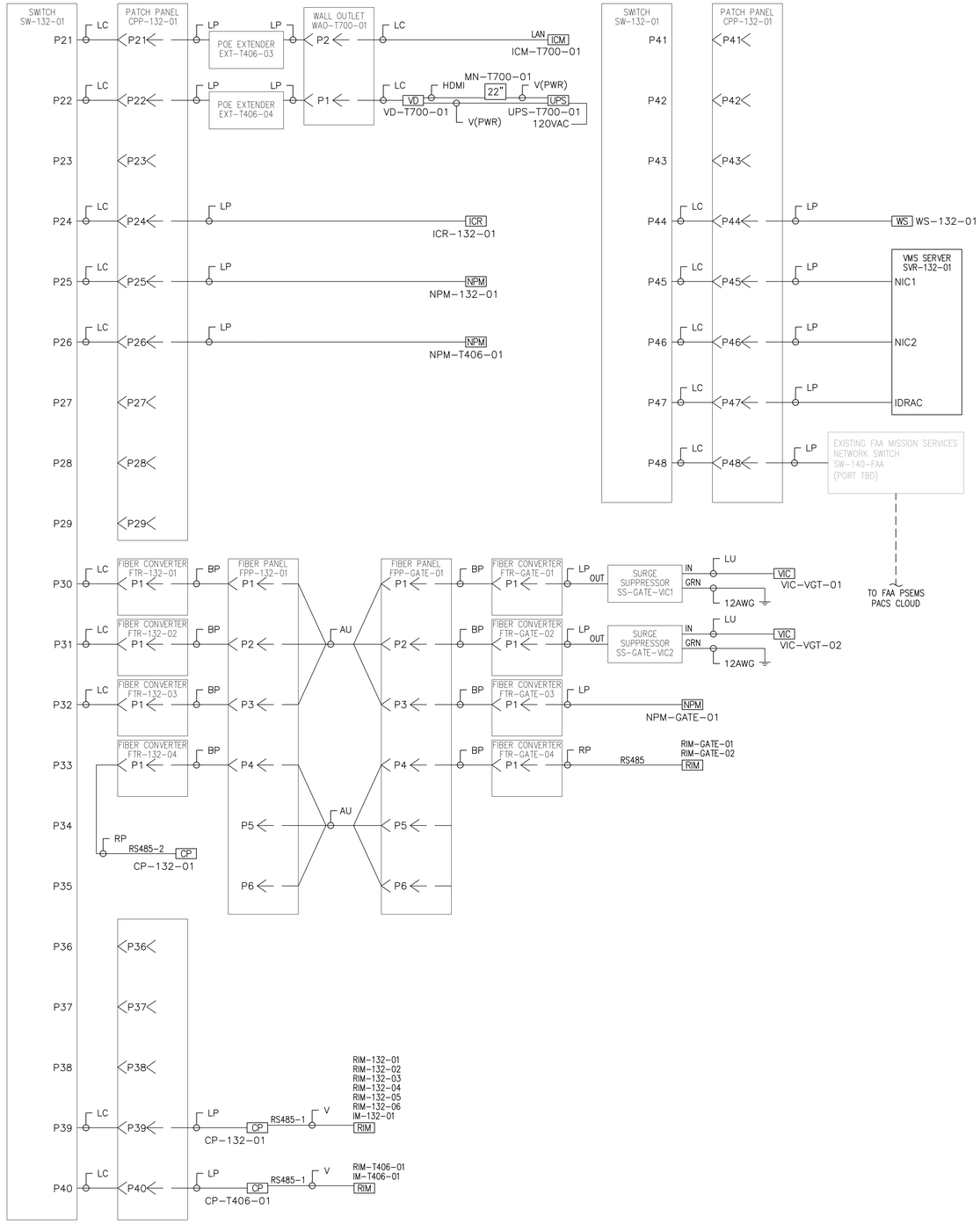
MC DEAN BUILDING INTELLIGENCE
SECURITY AND ELECTRONIC SYSTEMS DIVISION
1765 GREENSBORO STATION PL.
TYSONS, VA 22102
TEL: 703-802-6231
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ASHEVILLE AVL NC

REVIEWED BY	SUBMITTED BY	APPROVED BY
	ANDREW MILHOLLIN	
	ALTERNATE TECHNICAL REPRESENTATIVE	
DESIGNED BY: A. VOGLER	ISSUED BY: M.C. DEAN, INC.	DATE: 05/17/2023 JCN
DRAWN BY: J. CUNNINGHAM		DRAWING NUMBER: AVL-D-ATCT-Y526 REV: –
CHECKED BY: S. MILLER		





GENERAL NOTES:

1. THE NETWORK WIRING DIAGRAM REPRESENTS NETWORK CONNECTIVITY AND SWITCH PORT ASSIGNMENTS BETWEEN ALL IP DEVICES.
2. CAT 6 UTILIZING T568B WIRING: WHT-ORG, ORG, WHT-GRN, BLU, WHT-BLU, GRN, WHT-BRN, BRN.
3. REFER TO HEAD END CABINET WIRING DIAGRAM (Y500) AND ACCESS CONTROL ENCLOSURE POWER AND BATTERY WIRING (Y501) FOR ADDITIONAL WIRING DETAILS.

SWITCH ID:		SW-132-01	
LOCATION:	TELCO/LAN ROOM	IP ADDRESS:	TO BE ASSIGNED
SUBNET MASK:	TO BE ASSIGNED	GATEWAY:	TO BE ASSIGNED
DEVICE ID	DEVICE TYPE	IP ADDRESS	VLAN
C2-101-EXT	CAMERA	TBD	TBD
C2-106B-EXT	CAMERA	TBD	TBD
C2-133B-EXT	CAMERA	TBD	TBD
C2-134B-EXT	CAMERA	TBD	TBD
C2-136B-EXT	CAMERA	TBD	TBD
C2-139A-EXT	CAMERA	TBD	TBD
C2-139B-EXT	CAMERA	TBD	TBD
C2-142B-EXT	CAMERA	TBD	TBD
C2-L101-EXT	CAMERA	TBD	TBD
C2-T102B-EXT	CAMERA	TBD	TBD
C2-GATE-EXT	CAMERA	TBD	TBD
C2-101B-INT	CAMERA	TBD	TBD
C2-T604-INT	CAMERA	TBD	TBD
VIC-101B-01	VIDEO INTERCOM STATION	TBD	TBD
VIC-T604-01	VIDEO INTERCOM STATION	TBD	TBD
ICM-103-01	INTERCOM MASTER STATION	TBD	TBD
VD-103-01	VIDEO DECODER	TBD	TBD
ICM-133-01	INTERCOM MASTER STATION	TBD	TBD
VD-133-01	VIDEO DECODER	TBD	TBD
ICM-T700-01	INTERCOM MASTER STATION	TBD	TBD
VD-T700-01	VIDEO DECODER	TBD	TBD
ICR-132-01	INTERCOM IP RELAY	TBD	TBD
NPM-132-01	NETWORK POWER LINK	TBD	TBD
NPM-T406-01	NETWORK POWER LINK	TBD	TBD
VIC-VGT-01	VIDEO INTERCOM STATION	TBD	TBD
VIC-VGT-02	VIDEO INTERCOM STATION	TBD	TBD
NPM-GATE-01	NETWORK POWER LINK	TBD	TBD
CP-132-01	CONTROL PANEL	TBD	TBD
CP-T406-01	CONTROL PANEL	TBD	TBD
WS-132-01	WORKSTATION	TBD	TBD
SVR-132-01 [NIC1]	VMS SERVER NIC 1	TBD	TBD
SVR-132-01 [NIC2]	VMS SERVER NIC 2	TBD	TBD
SVR-132-01	VMS SERVER IDRAC	TBD	TBD

CABLE INDEX

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHERN REGION — ATLANTA, GA

ASHEVILLE ATCT-TRACON
SECURITY SYSTEM DESIGN
NETWORK WIRING DIAGRAM

ASHEVILLE — AVL — NC

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SECURITY AND ELECTRONIC SYSTEMS DIVISION
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TYSONS, VA 22102
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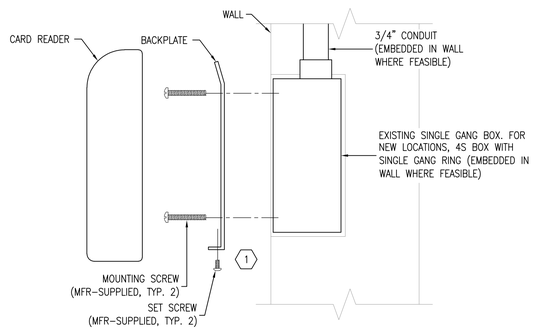
REVIEWED BY		SUBMITTED BY	APPROVED BY
		ANDREW MILHOLLIN	
		ALTERNATE TECHNICAL REPRESENTATIVE	
		DESIGNED BY A. VOGLER — ISSUED BY	DATE 05/17/2023 JCN
		DRAWN BY J. CUNNINGHAM — M.C. DEAN, INC.	DRAWING NUMBER AVL-D-ATCT-Y570 REV –
		CHECKED BY S. MILLER	

GENERAL NOTES:

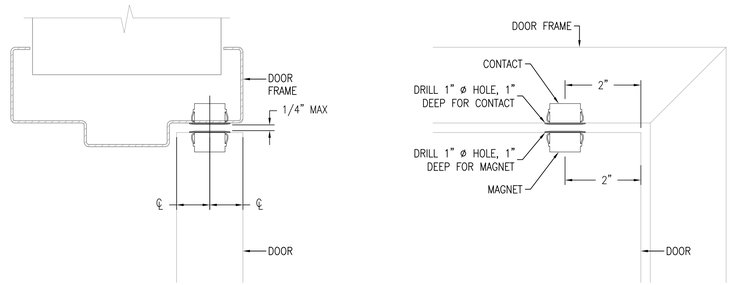
1. THE CARD READER TO BE INSTALLED 42" A.F.F. TO THE CENTER OF THE CARD READER.
2. THE PIR REX SENSOR TO BE CENTERED ABOVE DOOR FRAME ON SECURE SIDE OF THE DOOR.

KEYNOTES:

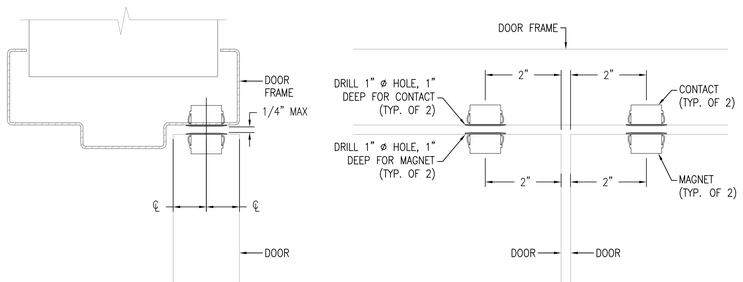
(1) VERIDT 7/8" SPACER INSTALLED WHERE APPLICABLE. (DEPENDANT ON MATERIAL PROPERTIES OF INSTALLATION SURFACE)



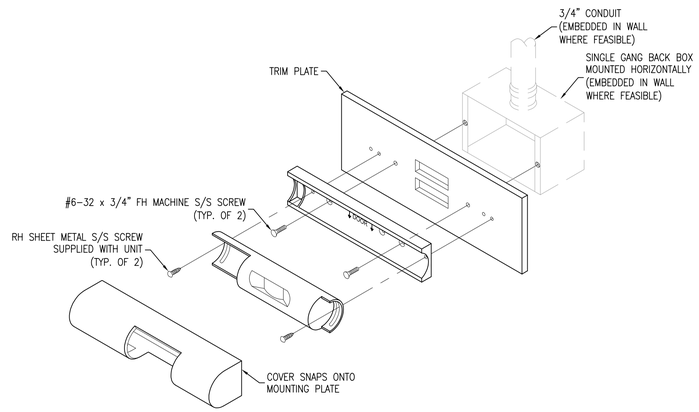
1 VERIDT STEALTH CARD READER (WITH KEYPAD) MOUNTING DETAIL
SCALE: NOT TO SCALE



2 MAGNASPHERE MSS-301C SINGLE DOOR CONTACT MOUNTING DETAIL
SCALE: NOT TO SCALE



3 MAGNASPHERE MSS-301C DOUBLE DOOR CONTACT MOUNTING DETAIL
SCALE: NOT TO SCALE



4 KANTECH T.REX-LT REQUEST-TO-EXIT MOUNTING DETAIL
SCALE: NOT TO SCALE

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FEDERAL AVIATION ADMINISTRATION
SOUTHERN REGION — ATLANTA, GA

ASHEVILLE ATCT-TRACON
SECURITY SYSTEM DESIGN
ACS & IDS MOUNTING DETAILS

SCALE: NOT TO SCALE

M.C. DEAN
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TEL: 703-802-6231
WWW.MCDEAN.COM

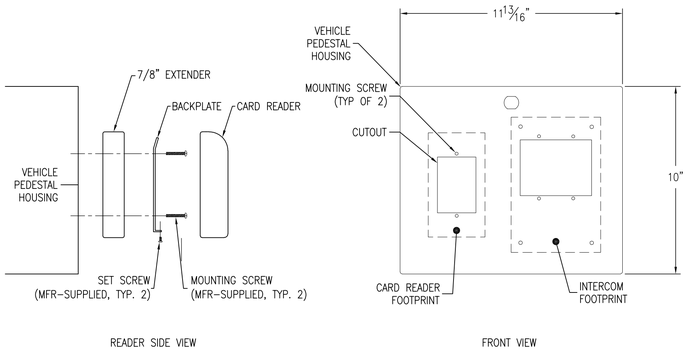
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ASHEVILLE — AVL — NC

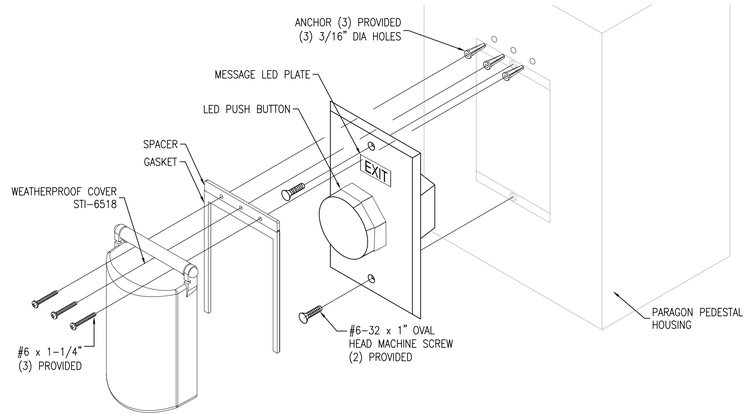
REVIEWED BY	SUBMITTED BY	APPROVED BY
	ANDREW MILHOLLIN	
	ALTERNATE TECHNICAL REPRESENTATIVE	
DESIGNED BY: A. VOGLER	ISSUED BY: M.C. DEAN, INC.	DATE: 05/17/2023 JCN
DRAWN BY: J. CUNNINGHAM		DRAWING NUMBER: AVL-D-ATCT-Y575 REV: –
CHECKED BY: S. MILLER		

KEYNOTES:

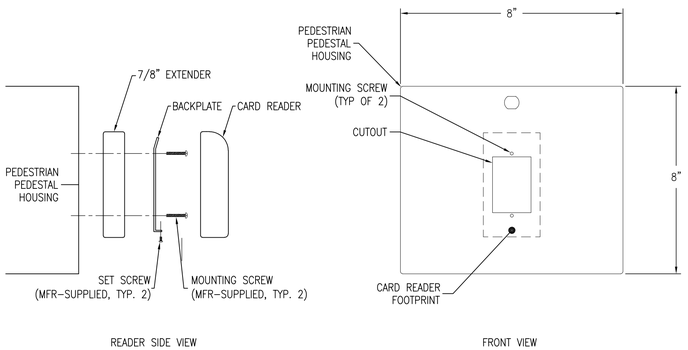
(1) THE SEPARATION BETWEEN STATIONARY AND SWING FENCE POSTS TO BE BETWEEN 1" AND 2-3/4".



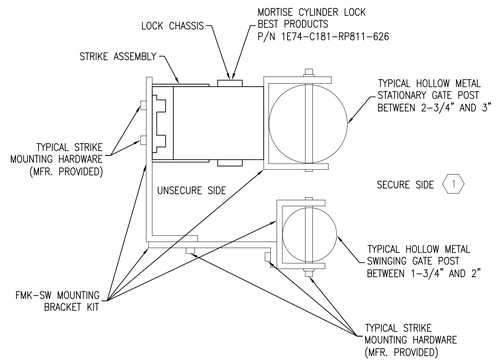
1 VEHICLE GATE ENTRY PEDESTAL READER MOUNTING
SCALE: NOT TO SCALE



2 PEDESTRIAN GATE EXIT PEDESTAL PUSH-TO-EXIT MOUNTING
SCALE: NOT TO SCALE



3 PEDESTRIAN GATE ENTRY PEDESTAL READER MOUNTING
SCALE: NOT TO SCALE



4 SECURITRON GL1 PEDESTRIAN GATE LOCK MOUNTING
SCALE: NOT TO SCALE

SENSITIVE SECURITY INFORMATION

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–	05/17/23	95% DRAWING FINAL			
–	07/19/22	ISSUED FOR 95% DRAWING REVIEW			

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

SOUTHERN REGION — ATLANTA, GA

ASHEVILLE ATCT-TRACON
SECURITY SYSTEM DESIGN
ACS & IDS MOUNTING DETAILS

ASHEVILLE — AVL — NC

SCALE: NOT TO SCALE

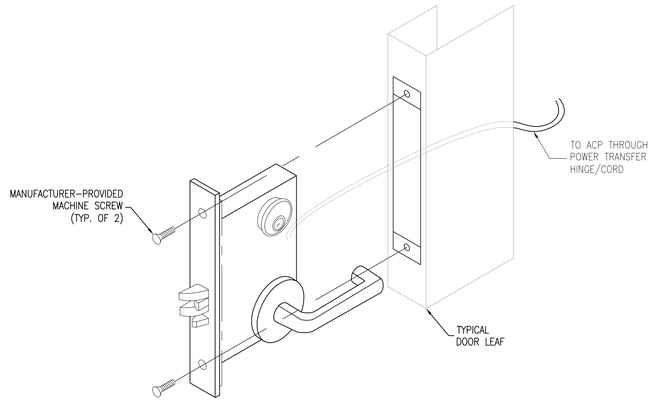
MC DEAN BUILDING INTELLIGENCE
SECURITY AND ELECTRONIC SYSTEMS DIVISION
1765 GREENSBORO STATION PL.
TYSONS, VA 22102
TEL: 703-802-6231
WWW.MCDEAN.COM

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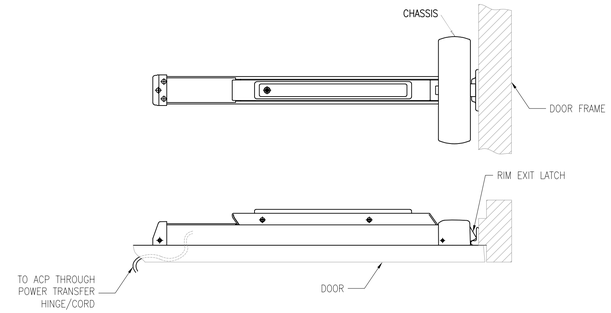
REVIEWED BY	SUBMITTED BY	APPROVED BY
	ANDREW MILHOLLIN	
	ALTERNATE TECHNICAL REPRESENTATIVE	
DESIGNED BY	A. VOGLER	ISSUED BY: M.C. DEAN, INC.
DRAWN BY	J. CUNNINGHAM	DATE: 05/17/2023 JCN
CHECKED BY	S. MILLER	DRAWING NUMBER: AVL-D-ATCT-Y576 REV: –

KEYNOTES:

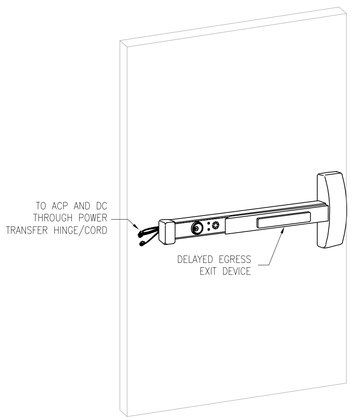
(1) GENERAL CONTRACTOR IS RESPONSIBLE FOR DOOR HARDWARE, ALL ELECTRIFIED LOCKING HARDWARE, AND POWER TRANSFER HINGES.



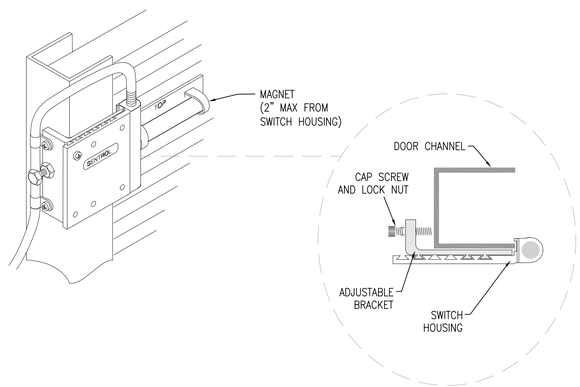
1 MORTISE ELECTRIC LOCK MOUNTING (1)
SCALE: NOT TO SCALE



2 GENERIC LOW CURRENT ELECTRIFIED LATCH RETRACTION MOUNTING (1)
SCALE: NOT TO SCALE



3 GENERIC DELAYED EGRESS EXIT DEVICE MOUNTING (1)
SCALE: NOT TO SCALE



4 EDWARDS SIGNALING ROLL UP DOOR CONTACT MOUNTING (1)
SCALE: NOT TO SCALE

SENSITIVE SECURITY INFORMATION
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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHERN REGION — ATLANTA, GA

ASHEVILLE ATCT-TRACON
SECURITY SYSTEM DESIGN
ACS & IDS MOUNTING DETAILS

ASHEVILLE — AVL — NC

SCALE: NOT TO SCALE

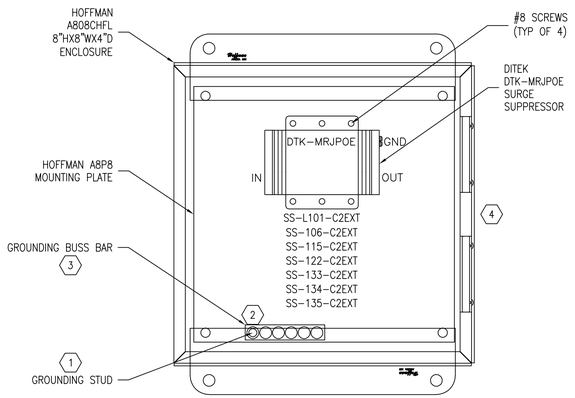
M.C. DEAN
BUILDING INTELLIGENCE
SECURITY AND ELECTRONIC SYSTEMS DIVISION
1765 GREENSBORO STATION PL.
TYSONS, VA 22102
TEL: 703-902-6231
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REVIEWED BY	
SUBMITTED BY	ANDREW MILHOLLIN, ALTERNATE TECHNICAL REPRESENTATIVE
APPROVED BY	
DESIGNED BY	A. VOGLER
ISSUED BY	M.C. DEAN, INC.
DATE	05/17/2023
JCN	
DRAWN BY	J. CUNNINGHAM
DRAWING NUMBER	AVL-D-ATCT-Y577
REV	–
CHECKED BY	S. MILLER

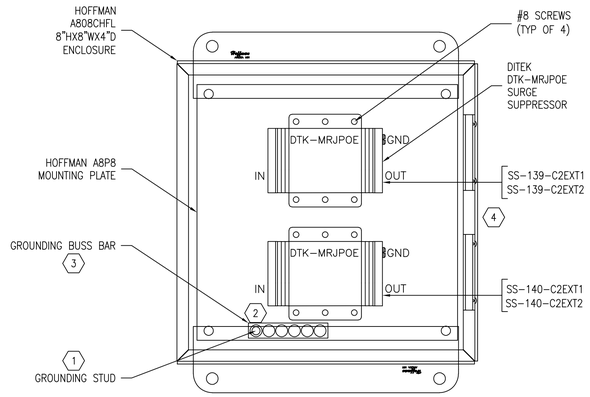
KEYNOTES:

1. CONNECT GROUNDING STUD OF THE ENCLOSURE TO THE CLOSEST BUILDING STEEL OR MULTI-POINT GROUNDING PLATE WITH COPPER CONDUCTOR SIZED BASED ON FOLLOWING CHART:
   MAX LENGTH OF 1.3 FT = #6 AWG
   MAX LENGTH OF 2.1 FT = #4 AWG
   MAX LENGTH OF 3.3 FT = #2 AWG
2. CONNECT SURGE PROTECTOR GROUND WIRES AND SURGE SUPPRESSOR GROUND TERMINALS TO GROUNDING BUSBAR WITHIN ENCLOSURE. MEASURE GROUND RESISTANCE TO VERIFY IT IS NOT EXCEEDING 25 OHMS (5 OHMS OR LESS IS OPTIMUM).
3. ENSURE GROUNDING BUSBAR IS PROPERLY GROUNDED TO ENCLOSURE BACKPLANE USING GROUNDING STUD.
4. HOFFMAN FLUSH KEY LOCK P/N PSTLO TO BE USED TO SECURE ENCLOSURE DOOR.



1 ENC-L101-SSE, ENC-106-SSE, ENC-115-SSE, ENC-122-SSE
ENC-133-SSE, ENC-134-SSE, ENC-135-SSE SURGE SUPPRESSOR MOUNTING DETAIL

SCALE: NOT TO SCALE



2 ENC-139-SSE, ENC-140-SSE
SURGE SUPPRESSOR MOUNTING DETAIL

SCALE: NOT TO SCALE

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHERN REGION — ATLANTA, GA

ASHEVILLE ATCT-TRACON
SECURITY SYSTEM DESIGN
SURGE PROTECTION DEVICES MOUNTING DETAILS

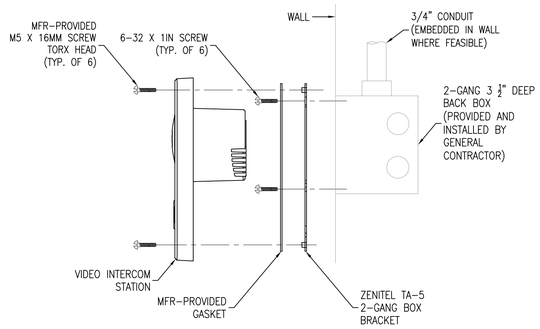
ASHEVILLE — AVL — NC

SCALE: NOT TO SCALE

MC DEAN
BUILDING INTELLIGENCE
SECURITY AND ELECTRONIC SYSTEMS DIVISION
1765 GREENSBORO STATION PL.
TYSONS, VA 22102
TEL: 703-802-6231
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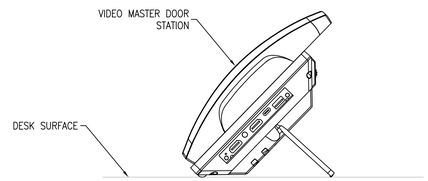
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REVIEWED BY	SUBMITTED BY: ANDREW MILHOLLIN, ALTERNATE TECHNICAL REPRESENTATIVE	APPROVED BY	
	DESIGNED BY: A. VOGLER	ISSUED BY: M.C. DEAN, INC.	DATE: 05/17/2023 JCN
	DRAWN BY: J. CUNNINGHAM		DRAWING NUMBER: AVL-D-ATCT-Y580 REV: –
	CHECKED BY: S. MILLER		



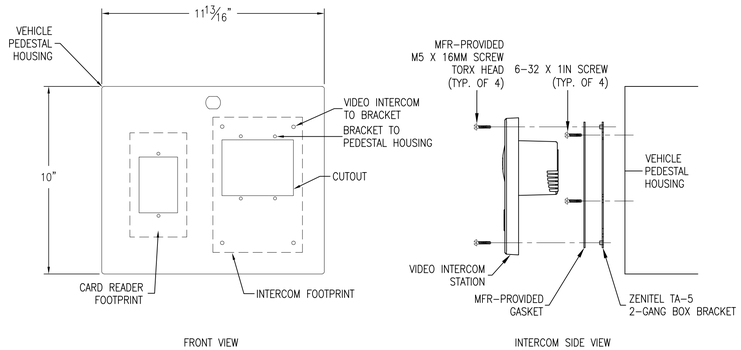
1 ZENITEL TCIV-3+ VIDEO INTERCOM DOOR STATION MOUNTING DETAIL

SCALE: NOT TO SCALE



2 ZENITEL ITSV-5 VIDEO INTERCOM MASTER STATION DESK MOUNTING DETAIL

SCALE: NOT TO SCALE



3 ZENITEL TCIV-3+ VIDEO INTERCOM VEHICLE PEDESTAL STATION MOUNTING DETAIL

SCALE: NOT TO SCALE

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHERN REGION — ATLANTA, GA

ASHEVILLE ATCT-TRACON
SECURITY SYSTEM DESIGN
INTERCOM MOUNTING DETAILS

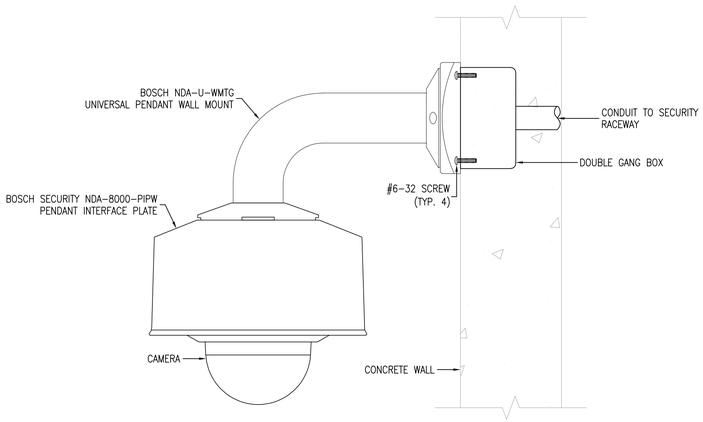
ASHEVILLE — AVL — NC

SCALE: NOT TO SCALE

M.C. DEAN
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SECURITY AND ELECTRONIC SYSTEMS DIVISION
1765 GREENSBORO STATION PL.
TYSONS, VA 22102
TEL: 703-802-6231
WWW.MCDEAN.COM

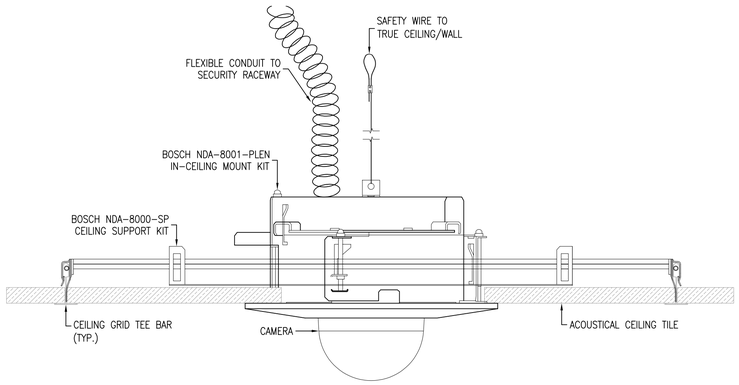
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REVIEWED BY	SUBMITTED BY: ANDREW MILHOLLIN	APPROVED BY	
	ALTERNATE TECHNICAL REPRESENTATIVE		
	DESIGNED BY: A. VOGLER	ISSUED BY: M.C. DEAN, INC.	DATE: 05/17/2023 JCN
	DRAWN BY: J. CUNNINGHAM		DRAWING NUMBER: AVL-D-ATCT-Y585 REV: –
	CHECKED BY: S. MILLER		



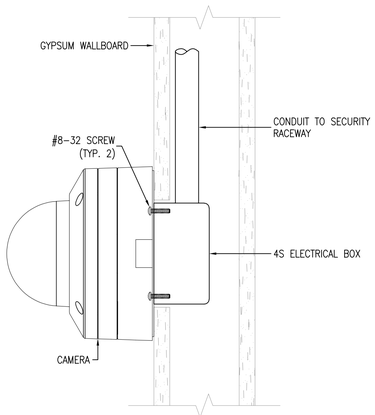
1 BOSCH NDE-8500 SERIES FIXED CAMERA EXTERIOR MOUNTING DETAIL

SCALE: NOT TO SCALE



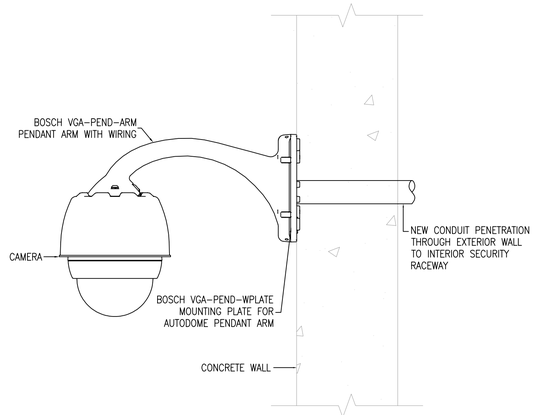
2 BOSCH NDE-8500 SERIES FIXED CAMERA INTERIOR MOUNTING DETAIL

SCALE: NOT TO SCALE



3 BOSCH NDE-8500 SERIES FIXED CAMERA INTERIOR WALL MOUNTING DETAIL

SCALE: NOT TO SCALE



4 BOSCH NDE-8500 SERIES PTZ CAMERA EXTERIOR WALL MOUNTING DETAIL

SCALE: NOT TO SCALE

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHERN REGION — ATLANTA, GA

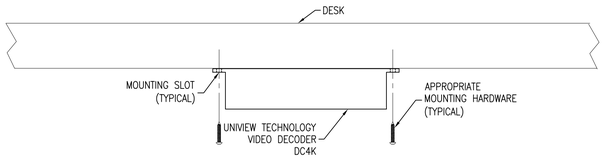
ASHEVILLE ATCT-TRACON
SECURITY SYSTEM DESIGN
CCTV MOUNTING DETAILS

SCALE: NOT TO SCALE

M.C. DEAN
BUILDING INTELLIGENCE
SECURITY AND ELECTRONIC SYSTEMS DIVISION
1765 GREENSBORO STATION PL.
TYSONS, VA 22102
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ASHEVILLE	AVL		NC
REVIEWED BY	SUBMITTED BY: ANDREW MILHOLLIN, ALTERNATE TECHNICAL REPRESENTATIVE	APPROVED BY	
	DESIGNED BY: A. VOGLER	ISSUED BY: M.C. DEAN, INC.	DATE: 05/17/2023 JCN
	DRAWN BY: J. CUNNINGHAM		DRAWING NUMBER: AVL-D-ATCT-Y590 REV: –
	CHECKED BY: S. MILLER		



1 UNIVIEW TECHNOLOGY DC4K VIDEO DECODER MOUNTING DETAIL

SCALE: NOT TO SCALE

SENSITIVE SECURITY INFORMATION

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHERN REGION ATLANTA, GA

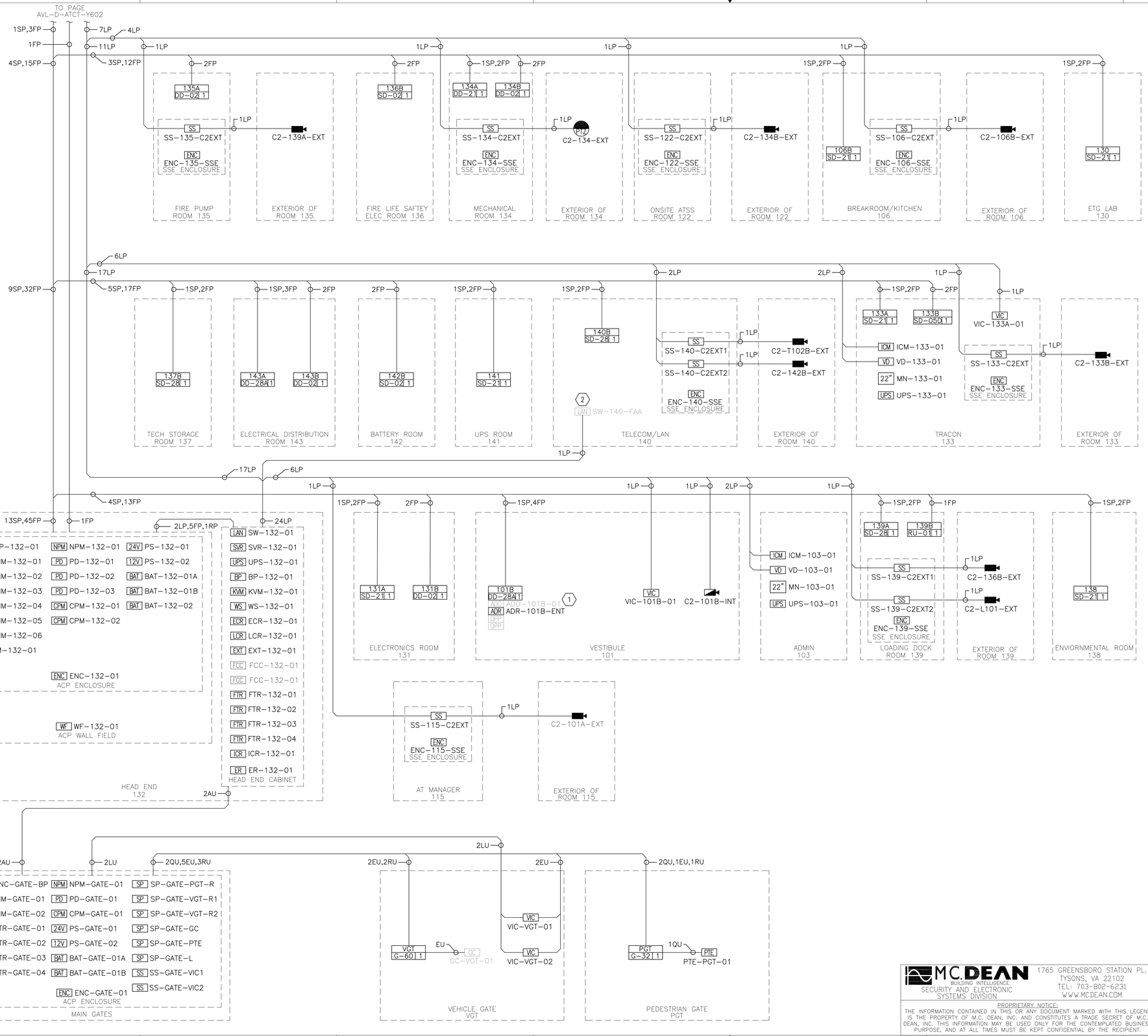
ASHEVILLE ATCT–TRACON
SECURITY SYSTEM DESIGN
USER MONITORING MOUNTING DETAILS

ASHEVILLE AVL NC

M.C. DEAN
BUILDING INTELLIGENCE
SECURITY AND ELECTRONIC SYSTEMS DIVISION
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REVIEWED BY	SUBMITTED BY	APPROVED BY
	ANDREW MILHOLLIN	
	ALTERNATE TECHNICAL REPRESENTATIVE	
DESIGNED BY: A. VOGLER	ISSUED BY: M.C. DEAN, INC.	DATE: 05/17/2023 JCN
DRAWN BY: J. CUNNINGHAM		DRAWING NUMBER: AVL–D–ATCT–Y595 REV: –
CHECKED BY: S. MILLER		



GENERAL NOTES:

1 ALL EXTERIOR CAMERAS MOUNTED ON THE OUTSIDE OF THE BUILDING. FOR DETAILED LOCATIONS REFER TO SECURITY DEVICE PLACEMENT SHEETS.

KEYNOTES:

(1) GENERAL CONTRACTOR TO INSTALL AUTOMATIC DOOR OPENER (ADO). REFER TO WIRING DIAGRAM Y516 FOR CABLE TYPES AND DETAILED WIRING REQUIRED TO INTERFACE WITH ACCESS CONTROL SYSTEM.

(2) CONFIRM LOCATION OF FAA NETWORK SWITCH.

CABLE INDEX

SYM	DESCRIPTION	SYM	DESCRIPTION
EP	2C, WALL FIELD WIRING	EU	18AWG/2C, OVERALL SHIELDED, OUTDOOR WCW P/N 714110VNQ
FP	18AWG/4C, UNSHIELDED, PLENUM WCW P/N 442380	QU	18AWG/4C, OVERALL SHIELDED, OUTDOOR WCW P/N 714310VNQ
MP	16AWG/4C, OVERALL SHIELDED, PLENUM WCW P/N 441340	MU	16AWG/4C, OVERALL SHIELDED, OUTDOOR WCW P/N 713310VNQ
RP	18AWG/1P, SHIELDED, STRD, PLENUM WCW P/N 052000LC	RU	18AWG/1P, SHIELDED, STRD, OUTDOOR WCW P/N 108760DB
SP	22AWG/1P,SHLD & 18AWG/2C,UNS,PLNM WCW P/N CRESCOMP-WHT		
LC	CAT6 PATCH CORD, C2G		
LP	CAT6, UTP, PLENUM WCW P/N 556600	LU	CAT6, UTP, OUTDOOR WCW P/N 775600-110DB
XP	CAT6, UTP, LONG-DISTANCE, PLENUM GAMECHANGER P/N 258300310	XU	CAT6, UTP, LONG-DISTANCE, OUTDOOR GAMECHANGER P/N 258330804
BP	DUPLEX OM3 FIBER PATCH CORD, C2G	AU	6-STR OM3 FIBER, INDOOR/OUTDOOR CORNING P/N 006T8P-31180-29
V	VENDOR/MANUFACTURER SUPPLIED CABLE		

SENSITIVE SECURITY INFORMATION

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REV	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
–	05/17/23	95% DRAWING FINAL			
–	07/19/22	ISSUED FOR 95% DRAWING REVIEW			

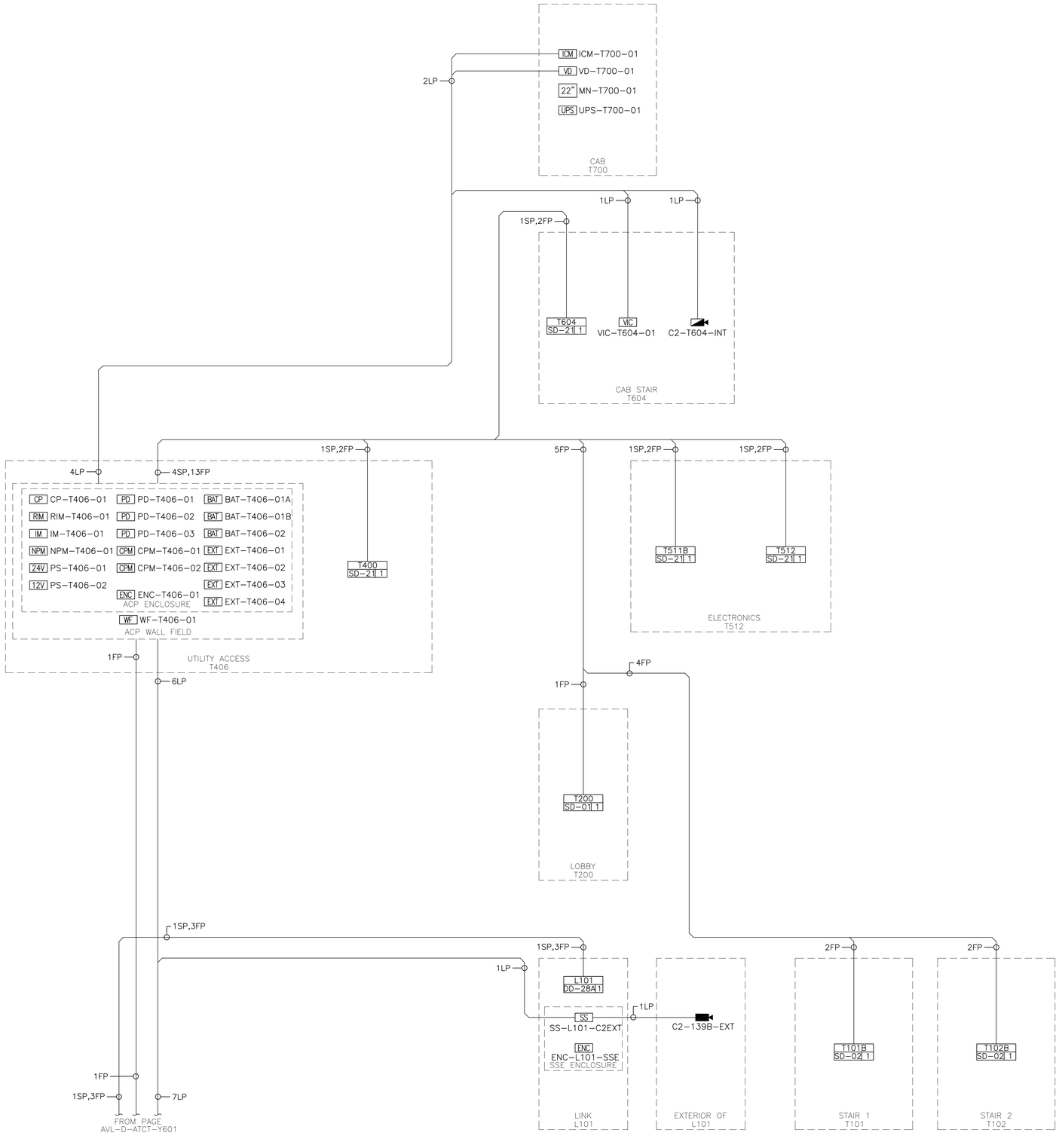
DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHERN REGION — ATLANTA, GA

ASHEVILLE ATCT-TRACON
SECURITY SYSTEM DESIGN
RISER DIAGRAM

M.C. DEAN
BUILDING INTELLIGENCE
SECURITY AND ELECTRONIC SYSTEMS DIVISION
1765 GREENSBORO STATION PL.
TYSONS, VA 22102
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ASHEVILLE	AVL		NC
REVIEWED BY	SUBMITTED BY: ANDREW MILHOLLIN, ALTERNATE TECHNICAL REPRESENTATIVE	APPROVED BY	
	DESIGNED BY: A. VOGLER	ISSUED BY: M.C. DEAN, INC.	DATE: 05/17/2023 JCN
	DRAWN BY: J. CUNNINGHAM		DRAWING NUMBER: AVL-D-ATCT-Y601 REV: –
	CHECKED BY: S. MILLER		



CABLE INDEX

SYM	DESCRIPTION	SYM	DESCRIPTION
EP	2C, WALL FIELD WIRING	EU	18AWG/2C, OVERALL SHIELDED, OUTDOOR WCW P/N 714110VNQ
FP	18AWG/4C, UNSHIELDED, PLENUM WCW P/N 442380	QU	18AWG/4C, OVERALL SHIELDED, OUTDOOR WCW P/N 714310VNQ
MP	16AWG/4C, OVERALL SHIELDED, PLENUM WCW P/N 441340	MU	16AWG/4C, OVERALL SHIELDED, OUTDOOR WCW P/N 713310VNQ
RP	18AWG/1P, SHIELDED, STRD, PLENUM WCW P/N 052000LC	RU	18AWG/1P, SHIELDED, STRD, OUTDOOR WCW P/N 108760DB
SP	22AWG/1P,SHLD & 18AWG/2C,UNS,PLNM WCW P/N CRESCOMP–WHT		
LC	CAT6 PATCH CORD, C2G		
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XP	CAT6, UTP, LONG–DISTANCE, PLENUM GAMECHANGER P/N 258300310	XU	CAT6, UTP, LONG–DISTANCE, OUTDOOR GAMECHANGER P/N 258330804
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ASHEVILLE	AVL		NC
REVIEWED BY	SUBMITTED BY: ANDREW MILHOLLIN	APPROVED BY	
	ALTERNATE TECHNICAL REPRESENTATIVE		
	DESIGNED BY: A. VOGLER	ISSUED BY: M.C. DEAN, INC.	DATE: 05/17/2023 JCN
	DRAWN BY: J. CUNNINGHAM		DRAWING NUMBER: AVL–D–ATCT–Y602 REV: –
	CHECKED BY: S. MILLER		

MASTER EQUIPMENT/MATERIAL/SOFTWARE LIST

ID #	SYSTEM/COMPONENT	MANUFACTURER	PART NUMBER	QTY	STATUS	LISTING
10002.1	SECURITY CENTER BASE PROFESSIONAL PACKAGE (INCLUDES 5 CLIENT CONNECTIONS)	GENETEC	GSC-BASE-P	1	STANDARD	N/A
10002.2	GENETEC SECURITY CENTER (GSC) BASE PACKAGE - VERSION 5.11	GENETEC	GSC-5.11	1	STANDARD	N/A
10007	CAMERA CONNECTION - PRO	GENETEC	GSC-OM-P-1C	13	STANDARD	N/A
10008	ADVANTAGE FOR 1 OMNICAST PRO CAMERA – 1 YEAR	GENETEC	ADV-CAM-P-1Y	13	STANDARD	N/A
10036	OK3121, FULL-SIZE CONTACT USB SMART CARD READER FOR ENROLLMENT	LENEL	R31210349-1	2	STANDARD	UL
10037.7	OPTION LICENSE - NON-EXPIRING LICENSE FOR ONGUARD ACCESS MANAGER CLIENT. ONE REQUIRED PER CONCURRENT CLIENT SEAT. ORDERING THIS ITEM INCREASES THE LICENSED CLIENT COUNT BY ONE.	LENEL	OCP-AMC-1	1	STANDARD	N/A
10038.3	CLIENT LICENSE - ONGUARD ADV CLIENT SOFTWARE LICENSE	LENEL	SWC-ADV	1	STANDARD	N/A
10038.9	ONGUARD BROWSER CLIENT BUNDLE FOR PRO, ONE SEAT OF CREDENTIALS AND MONITOR.	LENEL	OCB-A-PROENT-1	1	STANDARD	N/A
10073.1	22" MONITOR, PROFESSIONAL	DELL	P2222H	3	STANDARD	UL
10103	DUAL READER INTERFACE MODULE (SERIES 3) – 12/24 VDC	LENEL	LNL-1320-S3	8	STANDARD	UL
10103.2	SINGLE READER INTERFACE MODULE (SERIES 3) – 12/24 VDC	LENEL	LNL-1300-S3	1	STANDARD	UL
10108.1	INPUT CONTROL MODULE SERIES 3 (16 INPUTS)	LENEL	LNL-1100-S3	2	STANDARD	UL
10116.1	12VDC/9AH RECHARGEABLE BATTERY	CSB	HR1234WF2	8	STANDARD	UL
10116.2	SHELF BATTERY BRACKET	CAMPBELL SCIENTIFIC	31149	3	STANDARD	N/A
10117	INTELLIGENT DUAL READER CONTROLLER	LENEL	LNL-X4420	2	STANDARD	UL
10119.6	UNIFIED ACCESS CONTROL POWER SYSTEM E8 ENCLOSURE, 24 AUX POWER OUTPUTS, 16 CONTROLLED POWER OUTPUTS, NETWORKED, 150W AND 250W PS, PANDUIT 16 DOOR CABLING	LIFESAFETY POWER	FPO150/250-3D8P2M8NL4E8M2/P16-A	1	STANDARD	UL
10119.9	DIRECT POWER DISTRIBUTION MODULE, 8 OUTPUT	LIFESAFETY POWER	D8P	1	STANDARD	UL
10119.11	DUPLEX NEMA5-20 RECEPTACLE, DIN-RAIL, GFCI	MCMASTER CARR	7656T13	1	STANDARD	UL
10119.12	AC BRANCH CIRCUIT BREAKER, DIN-RAIL, 20A	MCMASTER CARR	5789T7 (20A)	1	STANDARD	UL
10119.17	DUAL RELAY, 8A	LIFESAFETY POWER	RB8-BOXED	1	STANDARD	UL
10119.22	UNIFIED ACCESS CONTROL POWER SYSTEM E4 ENCLOSURE, 8 AUX POWER OUTPUTS, 8 CONTROLLED POWER OUTPUTS, NETWORKED	LIFESAFETY POWER	FPO150-B100D8PM8NL4E4M	1	STANDARD	UL
10121.1	NEMA TYPE 4 8"H X 8"W X 4"D ENCLOSURE	HOFFMAN	A808CHFL	9	STANDARD	UL
10121.2	A808 ENCLOSURE MOUNTING PANEL	HOFFMAN	A8P8	9	STANDARD	UL
10121.5	HOFFMAN FLUSH KEY LOCKING HARDWARE	HOFFMAN	PSTLO	9	STANDARD	UL
10121.8	GROUNDING BUSS, 5 POSITION	DITEK	100-640	11	STANDARD	UL
10122.1	32"W X 46"H PACS WALL FIELD WITH TWO TROUGHS	ROBEYS WELDING	CUSTOM-E6-1	1	STANDARD	UL
10122.2	38"W X 52"H PACS WALL FIELD WITH TWO TROUGHS	ROBEYS WELDING	CUSTOM-E8-1	1	STANDARD	UL
10124.1	PT 2,5-PE/3L/2P MULTI-LEVEL TERMINAL BLOCK	PHOENIX CONTACT	3012316	150	STANDARD	UL
10125.1	LOW-PROFILE STRUT CHANNEL (13/16" X 1 5/8"), 3FT	MCMASTER CARR	3310T513, 3FT	4	STANDARD	UL
10125.3	DIN 3 RAIL, 1M LONG, 15MM DEPTH	MCMASTER CARR	8961K18	2	STANDARD	UL
10126.1	OUTDOOR NEMA 4X ENCLOSURE, TEMP CONTROL, 24"W X 36"H X 12"D, STAINLESS STEEL	MIER	BW-136-ACHTSS	1	STANDARD	UL
10160	READER; VERIDT, PIVCLASS, STEALTH DUAL W/ PIN KEYPAD, OSDP	LENEL	900W2036-QXYON	20	STANDARD	UL
10161	VERIDT, 7/8" BACK BOX EXTENDER (SPACER FOR READER)	LENEL	862-200100	20	STANDARD	N/A
10260.1	DESKTOP UPS, NO NETWORK CARD, 750VA 120V , TAA COMPLIANT	TRIPP-LITE	ECO750UPSTAA	3	STANDARD	UL
10261.2	RELAY I/O CARD FOR UPS	TRIPP-LITE	RELAYIOCARD	1	STANDARD	UL
10261.4	UPS 2200VA, 120V, 2.2KVA, TAA COMPLIANT	TRIPP-LITE	SM2200RMXL2UTAA	1	STANDARD	UL
10261.5	BATTERY PACK FOR UPS, 48V, TAA COMPLIANT	TRIPP-LITE	BP48V27-2US	1	STANDARD	UL
10301.1	MAGNETIC CONTACT, 1" DIA CONCEALED MOUNT, 1 CLOSED LOOP, NO TAMPER	MAGNASPHERE	MSS-301C	36	STANDARD	UL
10330.1	MAGNETIC CONTACT FOR CURTAIN DOORS, TRACK MOUNT, SPDT, OPEN/CLOSED LOOP, FORM C, ARMORED CABLE	EDWARDS SIGNALING	2304A-L	1	STANDARD	UL
10331.1	PASSIVE INFRARED REQUEST TO EXIT SENSOR, WHITE	KANTECH	T.REX-LT	8	STANDARD	UL
10331.2	1-GANG PLATE FOR PASSIVE INFRARED REQUEST TO EXIT SENSOR	KANTECH	T.REX-PLATE	8	STANDARD	UL
10332.1	2" UNIVERSAL PTE PUSH BUTTON W/ INTERCHANGABLE LABELS AND BUTTONS	STI	UB-2	1	STANDARD	UL
10332.2	BOPPER STOPPER CLEAR WEATHERPROOF COVER FOR PTE BUTTON	STI	STI-6518	1	STANDARD	UL
10333	TAMPER/PLUNGER SWITCH, CLOSED LOOP, CLIP MOUNT	GRI	TSC-20	5	STANDARD	UL

MASTER EQUIPMENT/MATERIAL/SOFTWARE LIST

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10378	FLEX MOUNT KIT FOR M62FG/GL1 GATE LOCK, SWING GATE	SECURITRON	FMK-SW	1	STANDARD	UL
10379	GATE LOCK, FAIL LOCKED MONITORED [G-32]	SECURITRON	GL1-FLM	1	STANDARD	UL
10379.1	STANDARD MORTISE CYLINDER FOR GATE LOCK (ADAMS RITE MS CAM WITH 11/16" SPACER)	BEST PRODUCTS	1E74-C181-RP811-626	1	STANDARD	UL
30024.1	FIXED DOME IP CAMERA, 2MP, STARLIGHT, HDR, 4.4-10MM, PTRZ, IP66	BOSCH SECURITY	NDE-8512-RX	12	STANDARD	UL
30051.1	PTZ CAMERA, AUTODOME IP 7000I, 30X, INDOOR/OUTDOOR	BOSCH SECURITY	NDP-7512-Z30	1	STANDARD	UL
30267.1	PENDANT ARM WITH WIRING FOR AUTODOME CAMERA	BOSCH SECURITY	VGA-PEND-ARM	1	STANDARD	N/A
30267.2	MOUNTING PLATE FOR AUTODOME PENDANT ARM	BOSCH SECURITY	VGA-PEND-WPLATE	1	STANDARD	N/A
30286	PENDANT INTERFACE PLATE OUTDOOR	BOSCH SECURITY	NDA-8000-PIPW	10	STANDARD	N/A
30287	CEILING SUPPORT KIT	BOSCH SECURITY	NDA-8000-SP	1	STANDARD	N/A
30289	PENDANT WALL MOUNT, 2-GANG BACK BOX ADAPTER	BOSCH SECURITY	NDA-U-WMTG	10	STANDARD	UL
30290	PLENUM-RATED IN-CEILING MOUNT KIT	BOSCH SECURITY	NDA-8001-PLEN	1	STANDARD	UL
30313	60W INDOOR MIDSPAN FOR CAMERAS WITHOUT ILLUMINATORS, SINGLE PORT, AC IN	BOSCH SECURITY	NPD-6001B	1	STANDARD	UL
30357	VIDEO DECODER, HDMI OUT	UNIVIEW TECHNOLOGY	DC4K	3	STANDARD	UL
40015	TA-5 2-GANG BACK BOX BRACKET FOR TURBINE COMPACT STATION	ZENITEL	1008140050	5	STANDARD	N/A
40025	4RU RACK RECESSED DIN-RAIL	PANDUIT	IABDIN4	1	STANDARD	N/A
40026	IP-LCM-A IP LINE CONNECTION MODULE 8-PORT	ZENITEL	1008095201	1	STANDARD	N/A
40027	TCIV-3+ IP VIDEO INTERCOM STATION, BLACK, 1-BUTTON	ZENITEL	1008315030	5	STANDARD	UL
40030	ITSV-5 IP TOUCH STATION WITH VIDEO	ZENITEL	1490005010	3	STANDARD	UL
70003	POE SURGE PROTECTOR	DITEK	DTK-MRJPOE	11	STANDARD	UL
70009	4-PAIR 5VDC (DATA/LED) 12/24VDC (POWER) LOW VOLTAGE SURGE PROTECTOR	DITEK	DTK-4LVLPCR	5	STANDARD	UL
70011	4-PAIR 5VDC LOW VOLTAGE SURGE PROTECTOR	DITEK	DTK-4LVLPD	1	STANDARD	UL
70012	IP/POE, 12/24V SURGE SUPPRESSOR	DITEK	DTK-PVPIPS	2	STANDARD	UL
90203	CATALYST 9200 48-PORT POE+ SWITCH, NETWORK ESSENTIALS, TAA	CISCO	C9200-48P-E++	1	STANDARD	UL
90204	C9200 CISCO DNA ESSENTIALS, 48-PORT, 3 YEAR TERM LICENSE	CISCO	C9200-DNA-E-48-3Y	1	STANDARD	N/A
90205	BLANK NETWORK MODULE	CISCO	C9200-NM-NONE	1	STANDARD	N/A
90206	NORTH AMERICA AC TYPE A POWER CABLE	CISCO	CAB-TA-NA	1	STANDARD	N/A
90306	18AWG/4C, UNSHIELDED, PLENUM (PER FOOT) [FP]	WINDY CITY WIRE	442380	TBD	STANDARD	UL
90313	CATEGORY 6 UTP, PLENUM (PER FOOT) [LP]	WINDY CITY WIRE	556600	TBD	STANDARD	UL
90324	CATEGORY 6 UTP, BLACK, OUTDOOR (PER FOOT) [LU]	WINDY CITY WIRE	775600-110DB	TBD	STANDARD	UL
90344	CAT6 MODULAR PATCH PANEL, 2RU, M2000-48	COMMSCOPE	760207282	1	STANDARD	UL
90345	CAT6 MODULAR INSERTS	COMMSCOPE	760237777	54	STANDARD	UL
90347	CAT6 PATCH CORD, 1FT, TAA, BLUE	C2G	10312	40	STANDARD	UL
90348	CAT6 PATCH CORD, 7FT, TAA, BLUE	C2G	10315	10	STANDARD	UL
90348.1	CAT6 PATCH CORD, 10FT, TAA, BLUE	C2G	10316	10	STANDARD	UL
90355	DISPLAYPORT TO VGA ADAPTER, 8"	C2G	54323	1	STANDARD	UL
90356	DUPLEX MULTIMODE FIBER PATCH CABLE, LC-LC, 1M, OM3, TAA [BP]	C2G	11000	6	STANDARD	UL
90356.1	DUPLEX MULTIMODE FIBER PATCH CABLE, LC-ST, 1M, OM3, TAA	C2G	11010	2	STANDARD	UL
90357	RJ45 CONNECTOR FOR CAT6 W/ POE CABLE, 100 PER PACK	PLATINUM TOOLS	202044J	1	STANDARD	UL
90358	STRAIN RELIEF FOR RJ45 CONNECTOR , 100 PER PACK	PLATINUM TOOLS	202036J	1	STANDARD	UL
90360	2-PORT ANGLED WALL AREA OUTLET FACEPLATE, WHITE	COMMSCOPE	107713562	3	STANDARD	UL
90363	HDMI CABLE, 10FT	C2G	56784	3	STANDARD	UL
90602	RACK MOUNT CARD CAGE WITH POWER SUPPLY (3 SLOTS)	COMNET	C3-US	1	STANDARD	N/A
90603	1 SLOT BLANK PANEL FOR C1 CARD CAGE	COMNET	C1-BP	2	STANDARD	N/A
90632	CLOSET CONNECTOR HOUSING FOR UP TO 2 CCH CONNECTOR PANELS, 1U	CORNING	CCH-01U	1	STANDARD	N/A
90640	WALL-MOUNTABLE SINGLE PANEL HOUSING FOR 1 CCH CONNECTOR PANEL	CORNING	SPH-01P	1	STANDARD	N/A
90642	12F COUPLER FIBER PATCH PANEL, LC ADAPTERS, OM3/4	CORNING	CCH-CP12-E4	2	STANDARD	N/A
90643	LC UNICAM CONNECTOR, 50 MICRON MULTIMODE (OM3/OM4)	CORNING	95-050-99-X	30	STANDARD	N/A
90646	FIBER TO RS232/422/485 MEDIA CONVERTER, 1 FIBER, ST, MULTIMODE, CONFORMALLY COATED	COMNET	FDX60M1A-M/C	1	STANDARD	UL
90647	FIBER TO RS232/422/485 MEDIA CONVERTER, 1 FIBER, ST, MULTIMODE	COMNET	FDX60M1B	1	STANDARD	UL

MASTER EQUIPMENT/MATERIAL/SOFTWARE LIST

ID #	SYSTEM/COMPONENT	MANUFACTURER	PART NUMBER	QTY	STATUS	LISTING
90648.1	MEDIA CONVERTER, 10/100/1000BASE-T (RJ-45) TO 100/1000BASE-X OPEN SFP SLOT	TRANSITION NETWORKS	M/GE-ISW-SFP-01	3	STANDARD	UL
90648.2	SFP, 1000BASE-SX 850NM MMF LC, EXTENDED TEMPERATURE, TAA	TRANSITION NETWORKS	TN-GLC-SX-MM-RGD	6	STANDARD	UL
90648.3	4-SLOT MEDIA CONVERTER SHELF, NOT POWERED, INCLUDES BLANKS, 1RU	TRANSITION NETWORKS	RMS19-SA4-02	1	STANDARD	UL
90648.4	POE MEDIA CONVERTER, 10/100/1000BASE-T (RJ-45) TO 100/1000BASE-X OPEN SFP SLOT	TRANSITION NETWORKS	M/GE-ISW-SFP-01-PD	3	STANDARD	UL
90648.6	RACK MOUNT BRACKET FOR MINI MEDIA CONVERTERS, USED WITH E-MCR-05 AND RMS19-SA4-02	TRANSITION NETWORKS	RMBM	3	STANDARD	UL
100001	1K/2K RESISTOR PACK	GRI	6644-1	70	STANDARD	ETL
100007	POE ETHERNET REPEATER	COMNET	CNFE1RPT/M	4	STANDARD	UL
100010	48" PEDESTRIAN PEDESTAL, 2" ARM, BLACK	PARAGON METAL	S3S30248B	2	STANDARD	N/A
100013	66"/36" DUAL HEIGHT VEHICLE PEDESTAL, 12" ARM, BLACK	PARAGON METAL	S3S41266/36B	1	STANDARD	N/A
100019	10"X12"X6" HOUSING FOR CARD READER AND INTERCOM, PARAGON MOUNTING STYLE, BLACK, HINGED	PARAGON METAL	H101206S25H23S152B-HNG	2	STANDARD	N/A
100020	10"X8"X6" HOUSING FOR 1 GANG DEVICE, PARAGON MOUNTING STYLE, BLACK, HINGED	PARAGON METAL	H100806S25G01B-HNG	2	STANDARD	N/A
2100118	RACK DRAWER, 4RU	MIDDLE ATLANTIC	UD4	1	STANDARD	UL
2100119	BLANK PANEL, 1U	MIDDLE ATLANTIC	EB1	5	STANDARD	N/A
2100120	BLANK PANEL, 2U	MIDDLE ATLANTIC	EB2	9	STANDARD	N/A
2100124	MRK SERIES RACK, 44 RU, 36"D, W/O REAR DOOR, PRO	MIDDLE ATLANTIC	MRK-4436PROLRD	1	STANDARD	UL
2100125	VENTED FRONT DOOR, 44 RU RACKS	MIDDLE ATLANTIC	VFD-44	1	STANDARD	UL
2100126	SOLID REAR DOOR, 44 RU RACKS	MIDDLE ATLANTIC	MW-RD-44	1	STANDARD	UL
2100127	PAIR OF SIDE PANELS, 44 RU, 36"D RACKS	MIDDLE ATLANTIC	SPN-44-36	1	STANDARD	UL
2100128	VENTED TOP	MIDDLE ATLANTIC	MW-VT	1	STANDARD	UL
2100129	CAGE NUTS, 10-32, 50 PC. [2 PER RACK]	MIDDLE ATLANTIC	CN1032-50	2	STANDARD	UL
2100130	RACKSCREWS, 10-32, TRUSS-HEAD, 500 PC	MIDDLE ATLANTIC	HP500	1	STANDARD	UL
2100131	GROUND BUSBAR FOR EQUIPMENT RACK	MIDDLE ATLANTIC	BB-44-1	1	STANDARD	UL
2100132	RACK SHELF, 1RU, 10" DEPTH, VENTILATED	MIDDLE ATLANTIC	UTR1	1	STANDARD	UL
2100134	8-PORT 1U RACK-MOUNTED CONSOLE KVM SWITCH, 19"LCD, TAA COMPLIANT	TRIPP-LITE	B020-U08-19KTAA	1	STANDARD	N/A
2100140	POWER STRIP, 16 OUTLET, NEMA 5-20R	MIDDLE ATLANTIC	PDT-1620C-NS	1	STANDARD	UL
NS095	18AWG/4C, OAS, OUTDOOR (PER FOOT) [QU]	WINDY CITY WIRE	714310VNQ	TBD	NON-STANDARD	UL
NS109	INDOOR/OUTDOOR RATED FIBER CABLES - MULTIMODE (OM3), 6-STR PLENUM (PER FOOT) [AU3]	CORNING	006T8P-31180-29	TBD	NON-STANDARD	N/A
NS129	18 AWG 1 PAIR, OAS STRANDED PLENUM (PER FOOT) [RP]	WINDY CITY WIRE	052000LC	TBD	NON-STANDARD	UL
NS130	18 AWG 1 PAIR, OAS STRANDED OUTDOOR (PER FOOT) [RU]	WINDY CITY WIRE	108760DB	TBD	NON-STANDARD	UL
NS543	22AWG/1P, SHIELDED, AND 18AWG/2C, UNSHIELDED, PLENUM, INDOOR (PER FOOT) [SP]	WINDY CITY WIRE	CRESCOMP-WHT	TBD	NON-STANDARD	UL
NS680	UNIFIED ACCESS CONTROL POWER SYSTEM E6 ENCLOSURE, 24 AUX POWER OUTPUTS, 16 CONTROLLED POWER OUTPUTS, NETWORKED, 150W AND 250W PS, PANDUIT & TIE WRAP CABLING	LIFESAFETY POWER	FPO150/250-3D8P2M8NL4E6M1/P16-A	1	NON-STANDARD	UL
NS694	TAMPER/PLUNGER SWITCH, CLOSED LOOP, SCREW DOWN FLANGE	GRI	TS-20	10	NON-STANDARD	UL
NS703	VMS SERVER, STREAMVAULT, 24TB RAW, RAID 5, 1RU, TAA	GENETEC	SV-2000E-1RM-24T-8-FAA	1	NON-STANDARD	UL
NS708	SECURITY WORKSTATION, WIN10 PRO, I7, 16GB DDR4, 256GB SSD, TAA	DELL	OPTIPLEX 7010 MICRO	1	NON-STANDARD	UL
NS709	D-PT 2,5-4L/2P END COVER FOR MULTI-LEVEL TERMINAL BLOCK	PHOENIX CONTACT	3012311	30	NON-STANDARD	UL
NS710	CP-H 2,5-4L-PE TERMINAL BLOCK CONNECTOR HOUSING	PHOENIX CONTACT	3012323	150	NON-STANDARD	UL
NS711	STG-MTN 0,5-1,0 TERMINAL BLOCK CONNECTOR HOUSING CRIMP CONTACT	PHOENIX CONTACT	3190438	600	NON-STANDARD	UL

FICAM SPECIFIC EQUIPMENT

ID #	SYSTEM/COMPONENT	MANUFACTURER	PART NUMBER	QTY	STATUS	LISTING
10010	FEDERATED SECURITY CENTER DIRECTORY CONNECTION - 20 ENTITIES OR LESS	GENETEC	GSC-1SCFED-20	1	STANDARD	N/A
10036.6	NUMBER OF FIPS 201 AUTHENTICATED READERS PROVIDES FOR MANAGEMENT OF AUTHENTICATED READER MODE FROM WITHIN ONGUARD. ONE LICENSE PER 2 FICAM READER	LENEL	SWG-AUTH-002	5	STANDARD	N/A
10038.11	FICAM PANEL/SERVER LICENSE, BASE ENTRYPOINT, INCLUDES 2 READERS	LENEL	EP-PNL-RDR	1	STANDARD	N/A
10038.12	FICAM ADDITIONAL READER LICENSE, BUNDLE OF 2	LENEL	EP-ADD-RDR-2	4	STANDARD	N/A
10038.13	FICAM MAINTENANCE AND SUPPORT PER READER, ANNUAL	LENEL	EP-SPRT365-RDR	9	STANDARD	N/A

EQUIPMENT FURNISHED BY OTHERS

ID #	SYSTEM/COMPONENT	MANUFACTURER	PART NUMBER	QTY	STATUS	LISTING
BYOTHERS-QEL1	ELECTRIC LATCH RETRACTION HARDWARE WITH BUILT IN REX, LOW CURRENT [SD/DD-28] [NO SEPARATE PS]	VON DUPRIN	LX-RX-QEL-9849	6	STANDARD	UL
BYOTHERS-QEL2	ELECTRIC LATCH RETRACTION HARDWARE WITH BUILT IN REX, LOW CURRENT [SD/DD-28] [NO SEPARATE PS]	VON DUPRIN	RX-QEL-98	4	STANDARD	UL
BYOTHERS-PTH	POWER TRANSFER HINGE/DOOR CORD	VON DUPRIN	EPT-10 (OR EQUIVALENT)	21	STANDARD	UL
BYOTHERS-EL1	ELECTRIFIED MORTISE LOCKSET WITH BUILT IN REX [SD/DD-21]	SCHLAGE	L9092HDEU 06N RX CON	10	STANDARD	UL
BYOTHERS-EXD(D)	DELAYED EGRESS EMERGENCY EXIT HARDWARE, LOW CURRENT (NO SEPARATE PS) [SD-05D]	TBD	TBD	1	STANDARD	UL
BYOTHERS-GC	ENTRY GATE CONTROLLER	TBD	TBD	1	STANDARD	UL

SECURITY DEVICE SCHEDULE

DEVICE ID	ITEM NO	MANUFACTURER	PART NUMBER	DEVICE TYPE	DESCRIPTION	LOCATION				FLOOR PLAN	RISER	HW SET	WIRING		MOUNTING		ELEVATION		CAMERA VIEW / PARENT ENCLOSURE
						BLDG	FLOOR	AREA	ROOM				DWG	DETAIL	DWG	DETAIL	DWG	DETAIL	
SECURITY CAMERAS																			
C2-101-EXT	30024.1	BOSCH SECURITY	NDE-8512-RX	CAMERA FIXED EXTERIOR	FIXED DOME IP CAMERA, 2MP, STARLIGHT, HDR, 4.4-10MM, PTRZ, IP66	BASE	1	EXTERIOR	115	Y102	Y601	C-EXT1	Y570	----	Y590	1	Y470	1	MAIN ENTRY
ENC-115-SSE	10121.1	HOFFMAN	A808CHFL	ENCLOSURE	NEMA TYPE 4 8"H X 8"W X 4"D ENCLOSURE	BASE	1	AT MANAGER	115	Y102	Y601	C-EXT1	----	----	Y580	1	----	----	----
SS-115-C2EXT	70003	DITEK	DTK-MRIPOE	SURGE PROTECTION DEVICE	POE SURGE PROTECTOR	BASE	1	AT MANAGER	115	Y102	Y601	C-EXT1	Y570	----	Y580	1	----	----	----
C2-106B-EXT	30024.1	BOSCH SECURITY	NDE-8512-RX	CAMERA FIXED EXTERIOR	FIXED DOME IP CAMERA, 2MP, STARLIGHT, HDR, 4.4-10MM, PTRZ, IP66	BASE	1	EXTERIOR	106	Y102	Y601	C-EXT1	Y570	----	Y590	1	Y470	1	DOORS 106B, 131B
ENC-106-SSE	10121.1	HOFFMAN	A808CHFL	ENCLOSURE	NEMA TYPE 4 8"H X 8"W X 4"D ENCLOSURE	BASE	1	BREAKROOM/KITCHEN	106	Y102	Y601	C-EXT1	----	----	Y580	1	----	----	----
SS-106-C2EXT	70003	DITEK	DTK-MRIPOE	SURGE PROTECTION DEVICE	POE SURGE PROTECTOR	BASE	1	BREAKROOM/KITCHEN	106	Y102	Y601	C-EXT1	Y570	----	Y580	1	----	----	----
C2-133B-EXT	30024.1	BOSCH SECURITY	NDE-8512-RX	CAMERA FIXED EXTERIOR	FIXED DOME IP CAMERA, 2MP, STARLIGHT, HDR, 4.4-10MM, PTRZ, IP66	BASE	1	EXTERIOR	133	Y102	Y601	C-EXT1	Y570	----	Y590	1	Y470	1	DOORS 133B, 140B, 143B
ENC-133-SSE	10121.1	HOFFMAN	A808CHFL	ENCLOSURE	NEMA TYPE 4 8"H X 8"W X 4"D ENCLOSURE	BASE	1	TRACON	133	Y102	Y601	C-EXT1	----	----	Y580	1	----	----	----
SS-133-C2EXT	70003	DITEK	DTK-MRIPOE	SURGE PROTECTION DEVICE	POE SURGE PROTECTOR	BASE	1	TRACON	133	Y102	Y601	C-EXT1	Y570	----	Y580	1	----	----	----
C2-134B-EXT	30024.1	BOSCH SECURITY	NDE-8512-RX	CAMERA FIXED EXTERIOR	FIXED DOME IP CAMERA, 2MP, STARLIGHT, HDR, 4.4-10MM, PTRZ, IP66	BASE	1	EXTERIOR	135	Y102	Y601	C-EXT1	Y570	----	Y590	1	Y470	1	DOOR 134B
ENC-122-SSE	10121.1	HOFFMAN	A808CHFL	ENCLOSURE	NEMA TYPE 4 8"H X 8"W X 4"D ENCLOSURE	BASE	1	ONSITE ATSS	122	Y102	Y601	C-EXT1	----	----	Y580	1	----	----	----
SS-122-C2EXT	70003	DITEK	DTK-MRIPOE	SURGE PROTECTION DEVICE	POE SURGE PROTECTOR	BASE	1	ONSITE ATSS	122	Y102	Y601	C-EXT1	Y570	----	Y580	1	----	----	----
C2-136B-EXT	30024.1	BOSCH SECURITY	NDE-8512-RX	CAMERA FIXED EXTERIOR	FIXED DOME IP CAMERA, 2MP, STARLIGHT, HDR, 4.4-10MM, PTRZ, IP66	BASE	1	EXTERIOR	139	Y102	Y601	C-EXT1	Y570	----	Y590	1	Y470	1	DOORS 136B, 135A
C2-L101-EXT	30024.1	BOSCH SECURITY	NDE-8512-RX	CAMERA FIXED EXTERIOR	FIXED DOME IP CAMERA, 2MP, STARLIGHT, HDR, 4.4-10MM, PTRZ, IP66	BASE	1	EXTERIOR	139	Y103	Y601	C-EXT1	Y570	----	Y590	1	Y470	1	DOORS L101, T101B
ENC-139-SSE	10121.1	HOFFMAN	A808CHFL	ENCLOSURE	NEMA TYPE 4 8"H X 8"W X 4"D ENCLOSURE	BASE	1	LOADING DOCK/RECEIVE	139	Y102	Y601	C-EXT1	----	----	Y580	2	----	----	----
SS-139-C2EXT1	70003	DITEK	DTK-MRIPOE	SURGE PROTECTION DEVICE	POE SURGE PROTECTOR	BASE	1	LOADING DOCK/RECEIVE	139	Y102	Y601	C-EXT1	Y570	----	Y580	2	----	----	----
SS-139-C2EXT2	70003	DITEK	DTK-MRIPOE	SURGE PROTECTION DEVICE	POE SURGE PROTECTOR	BASE	1	LOADING DOCK/RECEIVE	139	Y102	Y601	C-EXT1	Y570	----	Y580	2	----	----	----
C2-139A-EXT	30024.1	BOSCH SECURITY	NDE-8512-RX	CAMERA FIXED EXTERIOR	FIXED DOME IP CAMERA, 2MP, STARLIGHT, HDR, 4.4-10MM, PTRZ, IP66	BASE	1	EXTERIOR	135	Y102	Y601	C-EXT1	Y570	----	Y590	1	Y470	1	DOORS 139A, 137B
ENC-135-SSE	10121.1	HOFFMAN	A808CHFL	ENCLOSURE	NEMA TYPE 4 8"H X 8"W X 4"D ENCLOSURE	BASE	1	FIRE PUMP ROOM	135	Y102	Y601	C-EXT1	----	----	Y580	1	----	----	----
SS-135-C2EXT	70003	DITEK	DTK-MRIPOE	SURGE PROTECTION DEVICE	POE SURGE PROTECTOR	BASE	1	FIRE PUMP ROOM	135	Y102	Y601	C-EXT1	Y570	----	Y580	1	----	----	----
C2-139B-EXT	30024.1	BOSCH SECURITY	NDE-8512-RX	CAMERA FIXED EXTERIOR	FIXED DOME IP CAMERA, 2MP, STARLIGHT, HDR, 4.4-10MM, PTRZ, IP66	BASE	1	EXTERIOR	135	Y103	Y602	C-EXT1	Y570	----	Y590	1	Y470	1	DOOR 139B
ENC-L101-SSE	10121.1	HOFFMAN	A808CHFL	ENCLOSURE	NEMA TYPE 4 8"H X 8"W X 4"D ENCLOSURE	BASE	1	LINK	L101	Y103	Y602	C-EXT1	----	----	Y580	1	----	----	----
SS-L101-C2EXT	70003	DITEK	DTK-MRIPOE	SURGE PROTECTION DEVICE	POE SURGE PROTECTOR	BASE	1	LINK	L101	Y103	Y602	C-EXT1	Y570	----	Y580	1	----	----	----
C2-142B-EXT	30024.1	BOSCH SECURITY	NDE-8512-RX	CAMERA FIXED EXTERIOR	FIXED DOME IP CAMERA, 2MP, STARLIGHT, HDR, 4.4-10MM, PTRZ, IP66	BASE	1	EXTERIOR	140	Y102	Y601	C-EXT1	Y570	----	Y590	1	Y470	1	DOORS 142B, 143BB
C2-T102B-EXT	30024.1	BOSCH SECURITY	NDE-8512-RX	CAMERA FIXED EXTERIOR	FIXED DOME IP CAMERA, 2MP, STARLIGHT, HDR, 4.4-10MM, PTRZ, IP66	BASE	1	EXTERIOR	140	Y103	Y601	C-EXT1	Y570	----	Y590	1	Y470	1	DOOR T102B
ENC-140-SSE	10121.1	HOFFMAN	A808CHFL	ENCLOSURE	NEMA TYPE 4 8"H X 8"W X 4"D ENCLOSURE	BASE	1	TELECOM/LAN	140	Y102	Y601	C-EXT1	----	----	Y580	2	----	----	----
SS-140-C2EXT1	70003	DITEK	DTK-MRIPOE	SURGE PROTECTION DEVICE	POE SURGE PROTECTOR	BASE	1	TELECOM/LAN	140	Y102	Y601	C-EXT1	Y570	----	Y580	2	----	----	----
SS-140-C2EXT2	70003	DITEK	DTK-MRIPOE	SURGE PROTECTION DEVICE	POE SURGE PROTECTOR	BASE	1	TELECOM/LAN	140	Y102	Y601	C-EXT1	Y570	----	Y580	2	----	----	----
C2-GATE-EXT	30051.1	BOSCH SECURITY	NDP-7512-Z30	CAMERA PTZ	PTZ CAMERA, AUTODOME IP 7000I, 30X, INDOOR/OUTDOOR	BASE	1	EXTERIOR	134	Y102	Y601	C-PTZ1	Y570	----	Y590	4	Y470	2	MAIN ENTRY GATES
ENC-134-SSE	10121.1	HOFFMAN	A808CHFL	ENCLOSURE	NEMA TYPE 4 8"H X 8"W X 4"D ENCLOSURE	BASE	1	MECHANICAL ROOM	134	Y102	Y601	C-PTZ1	----	----	Y580	1	----	----	----
SS-134-C2EXT	70003	DITEK	DTK-MRIPOE	SURGE PROTECTION DEVICE	POE SURGE PROTECTOR	BASE	1	MECHANICAL ROOM	134	Y102	Y601	C-PTZ1	Y570	----	Y580	1	----	----	----
C2-101B-INT	30024.1	BOSCH SECURITY	NDE-8512-RX	CAMERA FIXED INTERIOR	FIXED DOME IP CAMERA, 2MP, STARLIGHT, HDR, 4.4-10MM, PTRZ, IP66	BASE	1	PASSAGE	102	Y102	Y601	C-INT1	Y570	----	Y590	2	Y470	3	DOOR 101B
C2-T604-INT	30024.1	BOSCH SECURITY	NDE-8512-RX	CAMERA FIXED INTERIOR	FIXED DOME IP CAMERA, 2MP, STARLIGHT, HDR, 4.4-10MM, PTRZ, IP66	TOWER	6	LOBBY	T600	Y104	Y602	C-INT2	Y570	----	Y590	3	Y470	4	DOOR T604
USER WORKSTATIONS																			
VD-103-01	30357	UNIVIEW TECHNOLOGY	DC4K	VIDEO DECODER	VIDEO DECODER, HDMI OUT	BASE	1	ADMIN	103	Y102	Y601	VD-1	Y570	----	Y595	1	----	----	----
MN-103-01	10073.1	DELL	P2222H	MONITOR	22" MONITOR, PROFESSIONAL	BASE	1	ADMIN	103	Y102	Y601	VD-1	Y570	----	----	----	----	----	----
UPS-103-01	10260.1	TRIPP-LITE	ECO750UPSTAA	UPS - NO I/O	DESKTOP UPS, NO NETWORK CARD, 750VA 120V , TAA COMPLIANT	BASE	1	ADMIN	103	Y102	Y601	VD-1	Y570	----	----	----	----	----	----
ICM-103-01	40030	ZENITEL	1490005010	INTERCOM MASTER STATION	ITSV-S IP TOUCH STATION WITH VIDEO	BASE	1	ADMIN	103	Y102	Y601	ICM-1	Y570	----	Y585	2	----	----	----
VD-133-01	30357	UNIVIEW TECHNOLOGY	DC4K	VIDEO DECODER	VIDEO DECODER, HDMI OUT	BASE	1	TRACON	133	Y102	Y601	VD-1	Y570	----	Y595	1	----	----	----
MN-133-01	10073.1	DELL	P2222H	MONITOR	22" MONITOR, PROFESSIONAL	BASE	1	TRACON	133	Y102	Y601	VD-1	Y570	----	----	----	----	----	----
UPS-133-01	10260.1	TRIPP-LITE	ECO750UPSTAA	UPS - NO I/O	DESKTOP UPS, NO NETWORK CARD, 750VA 120V , TAA COMPLIANT	BASE	1	TRACON	133	Y102	Y601	VD-1	Y570	----	----	----	----	----	----
ICM-133-01	40030	ZENITEL	1490005010	INTERCOM MASTER STATION	ITSV-S IP TOUCH STATION WITH VIDEO	BASE	1	TRACON	133	Y102	Y601	ICM-1	Y570	----	Y585	2	----	----	----
VD-T700-01	30357	UNIVIEW TECHNOLOGY	DC4K	VIDEO DECODER	VIDEO DECODER, HDMI OUT	TOWER	7	CAB	T700	Y104	Y602	VD-1	Y570	----	Y595	1	----	----	----
MN-T700-01	10073.1	DELL	P2222H	MONITOR	22" MONITOR, PROFESSIONAL	TOWER	7	CAB	T700	Y104	Y602	VD-1	Y570	----	----	----	----	----	----
UPS-T700-01	10260.1	TRIPP-LITE	ECO750UPSTAA	UPS - NO I/O	DESKTOP UPS, NO NETWORK CARD, 750VA 120V , TAA COMPLIANT	TOWER	7	CAB	T700	Y104	Y602	VD-1	Y570	----	----	----	----	----	----
ICM-T700-01	40030	ZENITEL	1490005010	INTERCOM MASTER STATION	ITSV-S IP TOUCH STATION WITH VIDEO	TOWER	7	CAB	T700	Y104	Y602	ICM-1	Y570	----	Y585	2	----	----	----

DEVICE ID	ITEM NO	MANUFACTURER	PART NUMBER	DEVICE TYPE	DESCRIPTION	LOCATION				FLOOR PLAN	RISER	HW SET	WIRING		MOUNTING		ELEVATION		CAMERA VIEW / PARENT ENCLOSURE
						BLDG	FLOOR	AREA	ROOM				DWG	DETAIL	DWG	DETAIL	DWG	DETAIL	
SECURITY EQUIPMENT RACKS																			
ER-132-01	2100124	MIDDLE ATLANTIC	MRK-4436PROLRD	EQUIPMENT RACK	MRK SERIES RACK, 44 RU, 36"D, W/O REAR DOOR, PRO	BASE	1	HEAD END	132	Y102	Y601	----	Y500	1	----	----	Y400	1	----
SW-132-01	90203	CISCO	C9200-48P-E++	NETWORK SWITCH	CATALYST 9200 48-PORT POE+ SWITCH, NETWORK ESSENTIALS, TAA	BASE	1	HEAD END	132	Y102	Y601	----	Y500	1	----	----	Y400	1	----
WS-132-01	N5708	DELL	OPTIPLEX 7010 MICRO	WORKSTATION	SECURITY WORKSTATION, WIN10 PRO, I7, 16GB DDR4, 256GB SSD, TAA	BASE	1	HEAD END	132	Y102	Y601	----	Y500	1	----	----	Y400	1	----
ECR-132-01	10036	LENEL	R31210349-1	ENROLLMENT READER	OK3121, FULL-SIZE CONTACT USB SMART CARD READER FOR ENROLLMENT	BASE	1	HEAD END	132	Y102	Y601	----	Y500	1	----	----	Y400	1	----
LCR-132-01	10036	LENEL	R31210349-1	ENROLLMENT READER	OK3121, FULL-SIZE CONTACT USB SMART CARD READER FOR ENROLLMENT	BASE	1	HEAD END	132	Y102	Y601	----	Y500	1	----	----	Y400	1	----
KVM-132-01	2100134	TRIPP-LITE	B020-U08-19KTAA	KVM CONSOLE	8-PORT 1U RACK-MOUNTED CONSOLE KVM SWITCH, 19"LCD, TAA COMPLIANT	BASE	1	HEAD END	132	Y102	Y601	----	Y500	1	----	----	Y400	1	----
FCC-132-01	90648.3	TRANSITION NETWORKS	RMS19-SA4-02	FIBER CARD CAGE	4-SLOT MEDIA CONVERTER SHELF, NOT POWERED, INCLUDES BLANKS, 1RU	BASE	1	HEAD END	132	Y102	Y601	----	Y500	1	----	----	Y400	1	----
FTR-132-01	90648.4	TRANSITION NETWORKS	M/GE-ISW-SFP-01-PD	MEDIA CONVERTER	POE MEDIA CONVERTER, 10/100/1000BASE-T (RJ-45) TO 100/1000BASE-X OPEN SFP SLOT	BASE	1	HEAD END	132	Y102	Y601	----	Y500	1	----	----	Y400	1	----
FTR-132-02	90648.4	TRANSITION NETWORKS	M/GE-ISW-SFP-01-PD	MEDIA CONVERTER	POE MEDIA CONVERTER, 10/100/1000BASE-T (RJ-45) TO 100/1000BASE-X OPEN SFP SLOT	BASE	1	HEAD END	132	Y102	Y601	----	Y500	1	----	----	Y400	1	----
FTR-132-03	90648.4	TRANSITION NETWORKS	M/GE-ISW-SFP-01-PD	MEDIA CONVERTER	POE MEDIA CONVERTER, 10/100/1000BASE-T (RJ-45) TO 100/1000BASE-X OPEN SFP SLOT	BASE	1	HEAD END	132	Y102	Y601	----	Y500	1	----	----	Y400	1	----
FCC-132-01	90602	COMNET	C3-US	FIBER CARD CAGE	RACK MOUNT CARD CAGE WITH POWER SUPPLY (3 SLOTS)	BASE	1	HEAD END	132	Y102	Y601	----	Y500	1	----	----	Y400	1	----
FTR-132-04	90647	COMNET	FDX60M1B	MEDIA CONVERTER	FIBER TO RS232/422/485 MEDIA CONVERTER, 1 FIBER, ST, MULTIMODE	BASE	1	HEAD END	132	Y102	Y601	----	Y500	1	----	----	Y400	1	----
EXT-132-01	30313	BOSCH SECURITY	NPD-60018	MIDSPAN	60W INDOOR MIDSPAN FOR CAMERAS WITHOUT ILLUMINATORS, SINGLE PORT, AC IN	BASE	1	HEAD END	132	Y102	Y601	----	Y500	1	----	----	Y400	1	----
SVR-132-01	N5703	GENETEC	SV-2000E-1RM-24T-8-FAA	SERVER	VMS SERVER, STREAMVAULT, 24TB RAW, RAID 5, 1RU, TAA	BASE	1	HEAD END	132	Y102	Y601	----	Y500	1	----	----	Y400	1	----
ICR-132-01	40026	ZENITEL	1008095201	INTERCOM IP RELAY	IP-LCM-A IP LINE CONNECTION MODULE 8-PORT	BASE	1	HEAD END	132	Y102	Y601	----	Y500	1	----	----	Y400	1	----
UPS-132-01	10261.4	TRIPP-LITE	SM2200RMXL2UTAA	UPS - WITH I/O	UPS 2200VA, 120V, 2.2KVA, TAA COMPLIANT	BASE	1	HEAD END	132	Y102	Y601	----	Y500	1	----	----	Y400	1	----
BP-132-01	10261.5	TRIPP-LITE	BP48V27-2U5	BATTERY PACK	BATTERY PACK FOR UPS, 48V, TAA COMPLIANT	BASE	1	HEAD END	132	Y102	Y601	----	Y500	1	----	----	Y400	1	----
ER-132-01 [TMP]	10333	GRI	TSC-20	----	TAMPER/PLUNGER SWITCH, CLOSED LOOP, CLIP MOUNT	BASE	1	HEAD END	132	Y102	Y601	----	Y517	----	----	----	Y400	1	----
SECURITY EQUIPMENT ENCLOSURES																			
ENC-132-01	10119.6	LIFESAFETY POWER	FPO150/250-3DBP2MBNL4EBM2/P16-A	SECURITY ENCLOSURE	UNIFIED ACCESS CONTROL POWER SYSTEM E8 ENCLOSURE, 24 AUX POWER OUTPUTS, 16 CONTROLLED POWER OUTPUTS, NETWORKED, 150W AND 250W PS, PANDUIT 16 DOOR CABLING	BASE	1	HEAD END	132	Y102	Y601	----	----	----	Y401	2	Y401	1	----
CP-132-01	10117	LENEL	LNL-X4420	CONTROL PANEL	INTELLIGENT DUAL READER CONTROLLER	BASE	1	HEAD END	132	Y102	Y601	----	Y511	----	----	----	Y402	1	----
RIM-132-01	10103	LENEL	LNL-1320-S3	RIM	DUAL READER INTERFACE MODULE (SERIES 3) – 12/24 VDC	BASE	1	HEAD END	132	Y102	Y601	----	Y512	----	----	----	Y402	1	----
RIM-132-02	10103	LENEL	LNL-1320-S3	RIM	DUAL READER INTERFACE MODULE (SERIES 3) – 12/24 VDC	BASE	1	HEAD END	132	Y102	Y601	----	Y513	----	----	----	Y402	1	----
RIM-132-03	10103	LENEL	LNL-1320-S3	RIM	DUAL READER INTERFACE MODULE (SERIES 3) – 12/24 VDC	BASE	1	HEAD END	132	Y102	Y601	----	Y514	----	----	----	Y402	1	----
RIM-132-04	10103	LENEL	LNL-1320-S3	RIM	DUAL READER INTERFACE MODULE (SERIES 3) – 12/24 VDC	BASE	1	HEAD END	132	Y102	Y601	----	Y515	----	----	----	Y402	1	----
RIM-132-05	10103	LENEL	LNL-1320-S3	RIM	DUAL READER INTERFACE MODULE (SERIES 3) – 12/24 VDC	BASE	1	HEAD END	132	Y102	Y601	----	Y516	----	----	----	Y402	1	----
RIM-132-06	10103	LENEL	LNL-1320-S3	RIM	DUAL READER INTERFACE MODULE (SERIES 3) – 12/24 VDC	BASE	1	HEAD END	132	Y102	Y601	----	Y517	----	----	----	Y402	1	----
IM-132-01	10108.1	LENEL	LNL-1100-S3	INPUT/OUTPUT MODULE	INPUT CONTROL MODULE SERIES 3 (16 INPUTS)	BASE	1	HEAD END	132	Y102	Y601	----	Y518	----	----	----	Y402	1	----
NPM-132-01	LSP-NL4	LIFESAFETY POWER	NL4 - INCLUDED	NETWORKED POWER MODULE	NETWORK POWER MODULE - PART OF MERCURY PROWIRE UNIFIED POWER ENCLOSURE	BASE	1	HEAD END	132	----	Y601	----	Y501	----	----	----	Y402	1	----
PS-132-01	LSP-FPO250	LIFESAFETY POWER	FPO250 - INCLUDED	POWER SUPPLY	10A/24V, 250W POWER SUPPLY BOARD - PART OF MERCURY PROWIRE UNIFIED POWER ENCLOSURE	BASE	1	HEAD END	132	----	Y601	----	Y501	----	----	----	Y402	1	----
PS-132-02	LSP-FPO150	LIFESAFETY POWER	FPO150 - INCLUDED	POWER SUPPLY	12A/12V, 150W POWER SUPPLY BOARD - PART OF MERCURY PROWIRE UNIFIED POWER ENCLOSURE	BASE	1	HEAD END	132	----	Y601	----	Y501	----	----	----	Y402	1	----
CPM-132-01	LSP-M8	LIFESAFETY POWER	M8 - INCLUDED	CONTROLLED POWER MODULE	CONTROLLED/MANAGED POWER DISTRIBUTION MODULE, 8 OUTPUT - PART OF MERCURY PROWIRE UNIFIED POWER ENCLOSURE	BASE	1	HEAD END	132	----	Y601	----	Y501	----	----	----	Y402	1	----
CPM-132-02	LSP-M8	LIFESAFETY POWER	M8 - INCLUDED	CONTROLLED POWER MODULE	CONTROLLED/MANAGED POWER DISTRIBUTION MODULE, 8 OUTPUT - PART OF MERCURY PROWIRE UNIFIED POWER ENCLOSURE	BASE	1	HEAD END	132	----	Y601	----	Y501	----	----	----	Y402	1	----
PD-132-01	LSP-D8P	LIFESAFETY POWER	D8P - INCLUDED	POWER DISTRIBUTION BOARD	DIRECT POWER DISTRIBUTION MODULE, 8 OUTPUT, POWER LIMITED - PART OF MERCURY PROWIRE UNIFIED POWER ENCLOSURE	BASE	1	HEAD END	132	----	Y601	----	Y501	----	----	----	Y402	1	----
PD-132-02	LSP-D8P	LIFESAFETY POWER	D8P - INCLUDED	POWER DISTRIBUTION BOARD	DIRECT POWER DISTRIBUTION MODULE, 8 OUTPUT, POWER LIMITED - PART OF MERCURY PROWIRE UNIFIED POWER ENCLOSURE	BASE	1	HEAD END	132	----	Y601	----	Y501	----	----	----	Y402	1	----
PD-132-03	LSP-D8P	LIFESAFETY POWER	D8P - INCLUDED	POWER DISTRIBUTION BOARD	DIRECT POWER DISTRIBUTION MODULE, 8 OUTPUT, POWER LIMITED - PART OF MERCURY PROWIRE UNIFIED POWER ENCLOSURE	BASE	1	HEAD END	132	----	Y601	----	Y501	----	----	----	Y402	1	----
BAT-132-01A	10116.1	CSB	HR1234WF2	BATTERY	12VDC/9AH RECHARGEABLE BATTERY	BASE	1	HEAD END	132	Y102	Y601	----	Y501	----	----	----	Y402	1	----
BAT-132-01B	10116.1	CSB	HR1234WF2	BATTERY	12VDC/9AH RECHARGEABLE BATTERY	BASE	1	HEAD END	132	Y102	Y601	----	Y501	----	----	----	Y402	1	----
BAT-132-02	10116.1	CSB	HR1234WF2	BATTERY	12VDC/9AH RECHARGEABLE BATTERY	BASE	1	HEAD END	132	Y102	Y601	----	Y501	----	----	----	Y402	1	----
PS-132-01/02. [AC FLT]	NS000	MFTR PROVIDED	INTEGRATED BY MFTR	----	EQUIPMENT OR I/O PROVIDED BY PREVIOUSLY PROVIDED LINE ITEM	BASE	1	HEAD END	132	----	----	----	Y511	----	----	----	Y402	1	----
PS-132-01/02. [SYS FLT]	NS000	MFTR PROVIDED	INTEGRATED BY MFTR	----	EQUIPMENT OR I/O PROVIDED BY PREVIOUSLY PROVIDED LINE ITEM	BASE	1	HEAD END	132	----	----	----	Y511	----	----	----	Y402	1	----
ENC-132-01 [TMP]	NS000	MFTR PROVIDED	INTEGRATED BY MFTR	----	EQUIPMENT OR I/O PROVIDED BY PREVIOUSLY PROVIDED LINE ITEM	BASE	1	HEAD END	132	----	----	----	Y511	----	----	----	Y402	1	----
WF-132-01	10122.2	ROBEYS WELDING	CUSTOM-E8-1	WALL FIELD	38"W X 52"H PACS WALL FIELD WITH TWO TROUGHS	BASE	1	HEAD END	132	Y102	Y601	----	----	----	Y401	2	Y401	1	----
WF-132-01 [TMP]	NS694	GRI	TS-20	----	TAMPER/PLUNGER SWITCH, CLOSED LOOP, SCREW DOWN FLANGE	BASE	1	HEAD END	132	----	----	----	Y517	----	----	----	Y402	1	----

DEVICE ID	ITEM NO	MANUFACTURER	PART NUMBER	DEVICE TYPE	DESCRIPTION	LOCATION				FLOOR PLAN	RISER	HW SET	WIRING		MOUNTING		ELEVATION		CAMERA VIEW / PARENT ENCLOSURE
						BLDG	FLOOR	AREA	ROOM				DWG	DETAIL	DWG	DETAIL	DWG	DETAIL	
ENC-T406-01	NS680	LIFESAFETY POWER	FPO150/250-3D8P2M8NL4E6M1/P16-A	SECURITY ENCLOSURE	UNIFIED ACCESS CONTROL POWER SYSTEM E6 ENCLOSURE, 24 AUX POWER OUTPUTS, 16 CONTROLLED POWER OUTPUTS, NETWORKED, 150W AND 250W PS, PANDUIT & TIE WRAP CABLING	TOWER	1	UTILITY ACCESS	T406	Y103	Y602	----	----	----	Y403	2	Y403	1	----
CP-T406-01	10117	LENEL	LNL-X4420	CONTROL PANEL	INTELLIGENT DUAL READER CONTROLLER	TOWER	1	UTILITY ACCESS	T406	Y103	Y602	----	Y520	----	----	----	Y404	1	----
RIM-T406-01	10103	LENEL	LNL-1320-S3	RIM	DUAL READER INTERFACE MODULE (SERIES 3) – 12/24 VDC	TOWER	1	UTILITY ACCESS	T406	Y103	Y602	----	Y521	----	----	----	Y404	1	----
IM-T406-01	10108.1	LENEL	LNL-1100-S3	INPUT/OUTPUT MODULE	INPUT CONTROL MODULE SERIES 3 (16 INPUTS)	TOWER	1	UTILITY ACCESS	T406	Y103	Y602	----	Y522	----	----	----	Y404	1	----
NPM-T406-01	LSP-NL4	LIFESAFETY POWER	NL4 - INCLUDED	NETWORKED POWER MODULE	NETWORK POWER MODULE - PART OF MERCURY PROWIRE UNIFIED POWER ENCLOSURE	TOWER	1	UTILITY ACCESS	T406	----	Y602	----	Y501	----	----	----	Y404	1	----
PS-T406-01	LSP-FPO250	LIFESAFETY POWER	FPO250 - INCLUDED	POWER SUPPLY	10A/24V, 250W POWER SUPPLY BOARD - PART OF MERCURY PROWIRE UNIFIED POWER ENCLOSURE	TOWER	1	UTILITY ACCESS	T406	----	Y602	----	Y501	----	----	----	Y404	1	----
PS-T406-02	LSP-FPO150	LIFESAFETY POWER	FPO150 - INCLUDED	POWER SUPPLY	12A/12V, 150W POWER SUPPLY BOARD - PART OF MERCURY PROWIRE UNIFIED POWER ENCLOSURE	TOWER	1	UTILITY ACCESS	T406	----	Y602	----	Y501	----	----	----	Y404	1	----
CPM-T406-01	LSP-M8	LIFESAFETY POWER	M8 - INCLUDED	CONTROLLED POWER MODULE	CONTROLLED/MANAGED POWER DISTRIBUTION MODULE, 8 OUTPUT - PART OF MERCURY PROWIRE UNIFIED POWER ENCLOSURE	TOWER	1	UTILITY ACCESS	T406	----	Y602	----	Y501	----	----	----	Y404	1	----
CPM-T406-02	LSP-M8	LIFESAFETY POWER	M8 - INCLUDED	CONTROLLED POWER MODULE	CONTROLLED/MANAGED POWER DISTRIBUTION MODULE, 8 OUTPUT - PART OF MERCURY PROWIRE UNIFIED POWER ENCLOSURE	TOWER	1	UTILITY ACCESS	T406	----	Y602	----	Y501	----	----	----	Y404	1	----
PD-T406-01	LSP-D8P	LIFESAFETY POWER	D8P - INCLUDED	POWER DISTRIBUTION BOARD	DIRECT POWER DISTRIBUTION MODULE, 8 OUTPUT, POWER LIMITED - PART OF MERCURY PROWIRE UNIFIED POWER ENCLOSURE	TOWER	1	UTILITY ACCESS	T406	----	Y602	----	Y501	----	----	----	Y404	1	----
PD-T406-02	LSP-D8P	LIFESAFETY POWER	D8P - INCLUDED	POWER DISTRIBUTION BOARD	DIRECT POWER DISTRIBUTION MODULE, 8 OUTPUT, POWER LIMITED - PART OF MERCURY PROWIRE UNIFIED POWER ENCLOSURE	TOWER	1	UTILITY ACCESS	T406	----	Y602	----	Y501	----	----	----	Y404	1	----
PD-T406-03	LSP-D8P	LIFESAFETY POWER	D8P - INCLUDED	POWER DISTRIBUTION BOARD	DIRECT POWER DISTRIBUTION MODULE, 8 OUTPUT, POWER LIMITED - PART OF MERCURY PROWIRE UNIFIED POWER ENCLOSURE	TOWER	1	UTILITY ACCESS	T406	----	Y602	----	Y501	----	----	----	Y404	1	----
BAT-T406-01A	10116.1	CSB	HR1234WF2	BATTERY	12VDC/9AH RECHARGEABLE BATTERY	TOWER	1	UTILITY ACCESS	T406	Y103	Y602	----	Y501	----	----	----	Y404	1	----
BAT-T406-01B	10116.1	CSB	HR1234WF2	BATTERY	12VDC/9AH RECHARGEABLE BATTERY	TOWER	1	UTILITY ACCESS	T406	Y103	Y602	----	Y501	----	----	----	Y404	1	----
BAT-T406-02	10116.1	CSB	HR1234WF2	BATTERY	12VDC/9AH RECHARGEABLE BATTERY	TOWER	1	UTILITY ACCESS	T406	Y103	Y602	----	Y501	----	----	----	Y404	1	----
PS-T406-01/02. [AC FLT]	NS000	MFTR PROVIDED	INTEGRATED BY MFTR	----	EQUIPMENT OR I/O PROVIDED BY PREVIOUSLY PROVIDED LINE ITEM	TOWER	1	UTILITY ACCESS	T406	----	----	----	Y520	----	----	----	Y404	1	----
PS-T406-01/02. [SYS FLT]	NS000	MFTR PROVIDED	INTEGRATED BY MFTR	----	EQUIPMENT OR I/O PROVIDED BY PREVIOUSLY PROVIDED LINE ITEM	TOWER	1	UTILITY ACCESS	T406	----	----	----	Y522	----	----	----	Y404	1	----
ENC-T406-01 [TMP]	NS000	MFTR PROVIDED	INTEGRATED BY MFTR	----	EQUIPMENT OR I/O PROVIDED BY PREVIOUSLY PROVIDED LINE ITEM	TOWER	1	UTILITY ACCESS	T406	----	----	----	Y520	----	----	----	Y404	1	----
EXT-T406-01	100007	COMNET	CNFE1RPT/M	ETHERNET EXTENDER	POE ETHERNET REPEATER	TOWER	1	UTILITY ACCESS	T406	Y103	Y602	----	Y570	----	----	----	Y404	1	----
EXT-T406-02	100007	COMNET	CNFE1RPT/M	ETHERNET EXTENDER	POE ETHERNET REPEATER	TOWER	1	UTILITY ACCESS	T406	Y103	Y602	----	Y570	----	----	----	Y404	1	----
EXT-T406-03	100007	COMNET	CNFE1RPT/M	ETHERNET EXTENDER	POE ETHERNET REPEATER	TOWER	1	UTILITY ACCESS	T406	Y103	Y602	----	Y570	----	----	----	Y404	1	----
EXT-T406-04	100007	COMNET	CNFE1RPT/M	ETHERNET EXTENDER	POE ETHERNET REPEATER	TOWER	1	UTILITY ACCESS	T406	Y103	Y602	----	Y570	----	----	----	Y404	1	----
WF-T406-01	10122.1	ROBEYS WELDING	CUSTOM-E6-1	WALL FIELD	32"W X 46"H PACS WALL FIELD WITH TWO TROUGHS	TOWER	1	UTILITY ACCESS	T406	Y103	Y602	----	----	----	Y403	2	Y403	1	----
WF-T406-01 [TMP]	NS694	GRI	TS-20	----	TAMPER/PLUNGER SWITCH, CLOSED LOOP, SCREW DOWN FLANGE	TOWER	1	UTILITY ACCESS	T406	----	----	----	Y522	----	----	----	Y404	1	----

DEVICE ID	ITEM NO	MANUFACTURER	PART NUMBER	DEVICE TYPE	DESCRIPTION	LOCATION				FLOOR	RISER	HW SET	WIRING		MOUNTING		ELEVATION		CAMERA VIEW /
						BLDG	FLOOR	AREA	ROOM	PLAN			DWG	DETAIL	DWG	DETAIL	DWG	DETAIL	PARENT ENCLOSURE
ENC-GATE-01	10126.1	MIER	BW-136-ACHTSS	SECURITY ENCLOSURE	OUTDOOR NEMA 4X ENCLOSURE, TEMP CONTROL, 24"W X 36"H X 12"D, STAINLESS STEEL	SITE	----	GATE CONCRETE PAD	GATE	Y101	Y601	----	----	----	Y405	1	Y405	1	----
ENC-GATE-BP	10119.22	LIFESAFETY POWER	FPO150-B100DBPM8NL4E4M	----	UNIFIED ACCESS CONTROL POWER SYSTEM E4 ENCLOSURE, 8 AUX POWER OUTPUTS, 8 CONTROLLED POWER OUTPUTS, NETWORKED	SITE	----	GATE CONCRETE PAD	GATE	Y101	Y601	----	----	----	Y406	1	Y406	1	----
RIM-GATE-01	10103	LENEL	LNL-1320-S3	RIM	DUAL READER INTERFACE MODULE (SERIES 3) -- 12/24 VDC	SITE	----	GATE CONCRETE PAD	GATE	Y101	Y601	----	Y524	----	----	----	Y406	1	----
RIM-GATE-02	10103.2	LENEL	LNL-1300-S3	RIM	SINGLE READER INTERFACE MODULE (SERIES 3) -- 12/24 VDC	SITE	----	GATE CONCRETE PAD	GATE	Y101	Y601	----	Y525	----	----	----	Y406	1	----
NPM-GATE-01	LSP-NL4	LIFESAFETY POWER	NL4 - INCLUDED	NETWORKED POWER MODULE	NETWORK POWER MODULE - PART OF MERCURY PROWIRE UNIFIED POWER ENCLOSURE	SITE	----	GATE CONCRETE PAD	GATE	----	Y601	----	Y502	----	----	----	Y406	1	----
PS-GATE-01	LSP-FPO150	LIFESAFETY POWER	FPO150 - INCLUDED	POWER SUPPLY	12A/12V, 150W POWER SUPPLY BOARD - PART OF MERCURY PROWIRE UNIFIED POWER ENCLOSURE	SITE	----	GATE CONCRETE PAD	GATE	----	Y601	----	Y502	----	----	----	Y406	1	----
PS-GATE-02	LSP-B100	LIFESAFETY POWER	B100 - INCLUDED	POWER SUPPLY	DC-DC CONVERTER BOARD (24VDC TO 12 VDC) - PART OF MERCURY PROWIRE UNIFIED POWER ENCLOSURE	SITE	----	GATE CONCRETE PAD	GATE	----	Y601	----	Y502	----	----	----	Y406	1	----
CPM-GATE-01	LSP-M8	LIFESAFETY POWER	M8 - INCLUDED	CONTROLLED POWER MODULE	CONTROLLED/MANAGED POWER DISTRIBUTION MODULE, 8 OUTPUT - PART OF MERCURY PROWIRE UNIFIED POWER ENCLOSURE	SITE	----	GATE CONCRETE PAD	GATE	----	Y601	----	Y502	----	----	----	Y406	1	----
PD-GATE-01	LSP-D8P	LIFESAFETY POWER	D8P - INCLUDED	POWER DISTRIBUTION BOARD	DIRECT POWER DISTRIBUTION MODULE, 8 OUTPUT, POWER LIMITED - PART OF MERCURY PROWIRE UNIFIED POWER ENCLOSURE	SITE	----	GATE CONCRETE PAD	GATE	----	Y601	----	Y502	----	----	----	Y406	1	----
PD-GATE-02	10119.9	LIFESAFETY POWER	D8P	POWER DISTRIBUTION BOARD	DIRECT POWER DISTRIBUTION MODULE, 8 OUTPUT	SITE	----	GATE CONCRETE PAD	GATE	----	Y601	----	Y502	----	----	----	Y406	1	----
BAT-GATE-01A	10116.1	CSB	HR1234WF2	BATTERY	12VDC/9AH RECHARGEABLE BATTERY	SITE	----	GATE CONCRETE PAD	GATE	Y101	Y601	----	Y502	----	----	----	Y406	1	----
BAT-GATE-01B	10116.1	CSB	HR1234WF2	BATTERY	12VDC/9AH RECHARGEABLE BATTERY	SITE	----	GATE CONCRETE PAD	GATE	Y101	Y601	----	Y502	----	----	----	Y406	1	----
PS-GATE-01/02. [AC FLT]	N5000	MFTR PROVIDED	INTEGRATED BY MFTR	----	EQUIPMENT OR I/O PROVIDED BY PREVIOUSLY PROVIDED LINE ITEM	SITE	----	GATE CONCRETE PAD	GATE	----	----	----	Y524	----	----	----	Y406	1	----
PS-GATE-01/02. [SYS. FLT]	N5000	MFTR PROVIDED	INTEGRATED BY MFTR	----	EQUIPMENT OR I/O PROVIDED BY PREVIOUSLY PROVIDED LINE ITEM	SITE	----	GATE CONCRETE PAD	GATE	----	----	----	Y524	----	----	----	Y406	1	----
ENC-GATE-01 [TMP]	N5000	MFTR PROVIDED	INTEGRATED BY MFTR	----	EQUIPMENT OR I/O PROVIDED BY PREVIOUSLY PROVIDED LINE ITEM	SITE	----	GATE CONCRETE PAD	GATE	----	----	----	Y524	----	----	----	Y406	1	----
FTR-GATE-01	90648.1	TRANSITION NETWORKS	M/GE-ISW-SFP-01	MEDIA CONVERTER	MEDIA CONVERTER, 10/100/1000BASE-T (RJ-45) TO 100/1000BASE-X OPEN SFP SLOT	SITE	----	GATE CONCRETE PAD	GATE	Y101	Y601	----	Y570	----	----	----	Y406	1	----
FTR-GATE-02	90648.1	TRANSITION NETWORKS	M/GE-ISW-SFP-01	MEDIA CONVERTER	MEDIA CONVERTER, 10/100/1000BASE-T (RJ-45) TO 100/1000BASE-X OPEN SFP SLOT	SITE	----	GATE CONCRETE PAD	GATE	Y101	Y601	----	Y570	----	----	----	Y406	1	----
FTR-GATE-03	90648.1	TRANSITION NETWORKS	M/GE-ISW-SFP-01	MEDIA CONVERTER	MEDIA CONVERTER, 10/100/1000BASE-T (RJ-45) TO 100/1000BASE-X OPEN SFP SLOT	SITE	----	GATE CONCRETE PAD	GATE	Y101	Y601	----	Y570	----	----	----	Y406	1	----
FTR-GATE-04	90646	COMNET	FDX60M1A-M/C	MEDIA CONVERTER	FIBER TO RS232/422/485 MEDIA CONVERTER, 1 FIBER, ST, MULTIMODE, CONFORMALLY COATED	SITE	----	GATE CONCRETE PAD	GATE	Y101	Y601	----	Y570	----	----	----	Y406	1	----
SP-GATE-VGT-R1	70009	DITEK	DTK-4LVLPCR	SURGE PROTECTION DEVICE	4-PAIR 5VDC (DATA/LED) 12/24VDC (POWER) LOW VOLTAGE SURGE PROTECTOR	SITE	----	GATE CONCRETE PAD	GATE	Y101	Y601	----	Y524	----	----	----	Y406	1	----
SP-GATE-VGT-R2	70009	DITEK	DTK-4LVLPCR	SURGE PROTECTION DEVICE	4-PAIR 5VDC (DATA/LED) 12/24VDC (POWER) LOW VOLTAGE SURGE PROTECTOR	SITE	----	GATE CONCRETE PAD	GATE	Y101	Y601	----	Y524	----	----	----	Y406	1	----
SP-GATE-GC	70011	DITEK	DTK-4LVLPD	SURGE PROTECTION DEVICE	4-PAIR 5VDC LOW VOLTAGE SURGE PROTECTOR	SITE	----	GATE CONCRETE PAD	GATE	Y101	Y601	----	Y524	----	----	----	Y406	1	----
SP-GATE-PGT-R	70009	DITEK	DTK-4LVLPCR	SURGE PROTECTION DEVICE	4-PAIR 5VDC (DATA/LED) 12/24VDC (POWER) LOW VOLTAGE SURGE PROTECTOR	SITE	----	GATE CONCRETE PAD	GATE	Y101	Y601	----	Y525	----	----	----	Y406	1	----
SP-GATE-L	70009	DITEK	DTK-4LVLPCR	SURGE PROTECTION DEVICE	4-PAIR 5VDC (DATA/LED) 12/24VDC (POWER) LOW VOLTAGE SURGE PROTECTOR	SITE	----	GATE CONCRETE PAD	GATE	Y101	Y601	----	Y525	----	----	----	Y406	1	----
SP-GATE-PTE	70009	DITEK	DTK-4LVLPCR	SURGE PROTECTION DEVICE	4-PAIR 5VDC (DATA/LED) 12/24VDC (POWER) LOW VOLTAGE SURGE PROTECTOR	SITE	----	GATE CONCRETE PAD	GATE	Y101	Y601	----	Y525	----	----	----	Y406	1	----
SS-GATE-VIC1	70012	DITEK	DTK-PVPIPS	SURGE PROTECTION DEVICE	IP/POE, 12/24V SURGE SUPPRESSOR	SITE	----	GATE CONCRETE PAD	GATE	Y101	Y601	----	Y570	----	----	----	Y406	1	----
SS-GATE-VIC2	70012	DITEK	DTK-PVPIPS	SURGE PROTECTION DEVICE	IP/POE, 12/24V SURGE SUPPRESSOR	SITE	----	GATE CONCRETE PAD	GATE	Y101	Y601	----	Y570	----	----	----	Y406	1	----

DEVICE ID	ITEM NO	MANUFACTURER	PART NUMBER	DEVICE TYPE	DESCRIPTION	LOCATION				FLOOR PLAN	RISER	HW SET	WIRING		MOUNTING		ELEVATION		CAMERA VIEW / PARENT ENCLOSURE
						BLDG	FLOOR	AREA	ROOM				DWG	DETAIL	DWG	DETAIL	DWG	DETAIL	
SECURITY PORTAL ASSEMBLIES																			
G-32-PGT	G-32 ASSY	-----	-----	GATE: G-32	PERIMETER GATE SECURITY ASSEMBLY [R, REX, GL W/ DC]	SITE	-----	PEDESTRIAN GATE	-----	Y101	Y601	-----	-----	-----	-----	-----	-----	-----	-----
R-PGT	10160	LENEL	900W2036-QXYON	READER	READER; VERIDT, PIVCLASS, STEALTH DUAL W/ PIN KEYPAD, OSDP	SITE	-----	PEDESTRIAN GATE	-----	Y101	Y601	G-32-1	Y525	-----	Y576	3	Y460	2	ENC-GATE-01
PTE-PGT-01	10332.1	STI	UB-2	REQUEST TO EXIT	2" UNIVERSAL PTE PUSH BUTTON W/ INTERCHANGABLE LABELS AND BUTTONS	SITE	-----	PEDESTRIAN GATE	-----	Y101	Y601	G-32-1	Y525	-----	Y576	2	Y460	3	ENC-GATE-01
L-PGT	10379	SECURITRON	GL1-FLM	ELECTRIFIED LOCK	GATE LOCK, FAIL LOCKED MONITORED [G-32]	SITE	-----	PEDESTRIAN GATE	-----	Y101	Y601	G-32-1	Y525	-----	Y576	4	Y460	1	ENC-GATE-01
G-60-VGT1	G-60 ASSY	-----	-----	GATE: G-60	PERIMETER GATE SECURITY ASSEMBLY [R, R, GC]	SITE	-----	VEHICLE GATE	-----	Y101	Y601	-----	-----	-----	-----	-----	-----	-----	-----
R-VGT-01	10160	LENEL	900W2036-QXYON	READER	READER; VERIDT, PIVCLASS, STEALTH DUAL W/ PIN KEYPAD, OSDP	SITE	-----	VEHICLE GATE	-----	Y101	Y601	G-60-1	Y524	-----	Y576	1	Y461	1	ENC-GATE-01
R-VGT-02	10160	LENEL	900W2036-QXYON	READER	READER; VERIDT, PIVCLASS, STEALTH DUAL W/ PIN KEYPAD, OSDP	SITE	-----	VEHICLE GATE	-----	Y101	Y601	G-60-1	Y524	-----	Y576	1	Y461	1	ENC-GATE-01
GC-VGT-01	BYOTHERS-GC	TBD	TBD	GATE CONTROLLER	ENTRY GATE CONTROLLER	SITE	-----	VEHICLE GATE	-----	Y101	Y601	G-60-1	Y524	-----	0	0	0	0	ENC-GATE-01
VIC-VGT-01	40027	ZENITEL	1008315030	INTERCOM DOOR STATION	TCIV-3+ IP VIDEO INTERCOM STATION, BLACK, 1-BUTTON	SITE	-----	VEHICLE GATE	-----	Y101	Y601	VIC-1	Y570	-----	Y585	3	Y461	1	-----
VIC-VGT-02	40027	ZENITEL	1008315030	INTERCOM DOOR STATION	TCIV-3+ IP VIDEO INTERCOM STATION, BLACK, 1-BUTTON	SITE	-----	VEHICLE GATE	-----	Y101	Y601	VIC-1	Y570	-----	Y585	3	Y461	1	-----
DD-28A-101B	DD-28A ASSY	-----	-----	DOUBLE DOOR: DD-28A	DOUBLE DOOR SECURITY ASSEMBLY [R, DC, DC, QEL X2 W/ REX, PTH X2]	BASE	1	VESTIBULE	101	Y102	Y601	-----	-----	-----	-----	-----	-----	-----	-----
R-101B	10160	LENEL	900W2036-QXYON	READER	READER; VERIDT, PIVCLASS, STEALTH DUAL W/ PIN KEYPAD, OSDP	BASE	1	VESTIBULE	101	Y102	Y601	DD-28A-2	Y516	-----	Y575	1	Y454	2	ENC-132-01
DC-101B-A	10301.1	MAGNASPHERE	MSS-301C	DOOR CONTACT	MAGNETIC CONTACT, 1" DIA CONCEALED MOUNT, 1 CLOSED LOOP, NO TAMPER	BASE	1	VESTIBULE	101	Y102	Y601	DD-28A-2	Y516	-----	Y575	3	Y454	2	ENC-132-01
DC-101B-B	10301.1	MAGNASPHERE	MSS-301C	DOOR CONTACT	MAGNETIC CONTACT, 1" DIA CONCEALED MOUNT, 1 CLOSED LOOP, NO TAMPER	BASE	1	VESTIBULE	101	Y102	Y601	DD-28A-2	Y516	-----	Y575	3	Y454	2	ENC-132-01
L-101B-A	BYOTHERS-QEL1	VON DUPRIN	LX-RX-QEL-9849	ELECTRIFIED LOCK	ELECTRIC LATCH RETRACTION HARDWARE WITH BUILT IN REX, LOW CURRENT [SD/DD-28] [NO SEPARATE PS]	BASE	1	VESTIBULE	101	Y102	Y601	DD-28A-2	Y516	-----	Y577	2	Y454	2	ENC-132-01
L-101B-B	BYOTHERS-QEL1	VON DUPRIN	LX-RX-QEL-9849	ELECTRIFIED LOCK	ELECTRIC LATCH RETRACTION HARDWARE WITH BUILT IN REX, LOW CURRENT [SD/DD-28] [NO SEPARATE PS]	BASE	1	VESTIBULE	101	Y102	Y601	DD-28A-2	Y516	-----	Y577	2	Y454	2	ENC-132-01
PTH-101B-A	BYOTHERS-PTH	VON DUPRIN	EPT-10 (OR EQUIVALENT)	WIRE TRANSFER	POWER TRANSFER HINGE/DOOR CORD	BASE	1	VESTIBULE	101	Y102	Y601	DD-28A-2	Y516	-----	-----	-----	Y454	2	ENC-132-01
PTH-101B-B	BYOTHERS-PTH	VON DUPRIN	EPT-10 (OR EQUIVALENT)	WIRE TRANSFER	POWER TRANSFER HINGE/DOOR CORD	BASE	1	VESTIBULE	101	Y102	Y601	DD-28A-2	Y516	-----	-----	-----	Y454	2	ENC-132-01
VIC-101B-01	40027	ZENITEL	1008315030	INTERCOM DOOR STATION	TCIV-3+ IP VIDEO INTERCOM STATION, BLACK, 1-BUTTON	BASE	1	VESTIBULE	101	Y102	Y601	VIC-2	Y570	-----	Y585	1	Y454	2	-----
ADA-101B-01	ADA ASSY 1	-----	-----	CR+ADO1+DPP1+DPP2	AUTOMATIC DOOR OPERATOR ASSEMBLY [ADO_DPP1, DPP2]	BASE	1	VESTIBULE	101	Y102	Y601	-----	-----	-----	-----	-----	-----	-----	-----
ADO-101B-01	EXIST-ADO	EXISTING	EXIST-ADO	EXISTING DOOR MOTOR	EXISTING DOOR MOTOR	BASE	1	VESTIBULE	101	Y102	Y601	ADA-1	Y516	-----	EXIST	EXIST	EXIST	EXIST	ENC-132-01
ADR-101B-ENT	10119.17	LIFESAFETY POWER	RBB-BOXED	ISOLATION RELAY	DUAL RELAY, 8A	BASE	1	VESTIBULE	101	Y102	Y601	ADA-1	Y516	-----	-----	-----	-----	-----	ENC-132-01
DPP-101B-ENT	EXIST-DPP	EXISTING	EXIST-DPP	EXISTING DOOR PUSH PLATE	EXISTING DOOR PUSH PLATE	BASE	1	VESTIBULE	101	Y102	Y601	ADA-1	Y516	-----	EXIST	EXIST	EXIST	EXIST	ENC-132-01
DPP-101B-EX	EXIST-DPP	EXISTING	EXIST-DPP	EXISTING DOOR PUSH PLATE	EXISTING DOOR PUSH PLATE	BASE	1	VESTIBULE	101	Y102	Y601	ADA-1	Y516	-----	EXIST	EXIST	EXIST	EXIST	ENC-132-01
SD-28-106B	SD-28 ASSY	-----	-----	SINGLE DOOR: SD-28	SINGLE DOOR SECURITY ASSEMBLY [R, DC, QEL W/ REX, PTH]	BASE	1	BREAKROOM/KITCHEN	106	Y102	Y601	-----	-----	-----	-----	-----	-----	-----	-----
R-106B	10160	LENEL	900W2036-QXYON	READER	READER; VERIDT, PIVCLASS, STEALTH DUAL W/ PIN KEYPAD, OSDP	BASE	1	BREAKROOM/KITCHEN	106	Y102	Y601	SD-28-1	Y514	-----	Y575	1	Y453	2	ENC-132-01
DC-106B	10301.1	MAGNASPHERE	MSS-301C	DOOR CONTACT	MAGNETIC CONTACT, 1" DIA CONCEALED MOUNT, 1 CLOSED LOOP, NO TAMPER	BASE	1	BREAKROOM/KITCHEN	106	Y102	Y601	SD-28-1	Y514	-----	Y575	2	Y453	2	ENC-132-01
L-106B	BYOTHERS-QEL2	VON DUPRIN	RX-QEL-98	ELECTRIFIED LOCK	ELECTRIC LATCH RETRACTION HARDWARE WITH BUILT IN REX, LOW CURRENT [SD/DD-28] [NO SEPARATE PS]	BASE	1	BREAKROOM/KITCHEN	106	Y102	Y601	SD-28-1	Y514	-----	Y577	2	Y453	2	ENC-132-01
PTH-106B	BYOTHERS-PTH	VON DUPRIN	EPT-10 (OR EQUIVALENT)	WIRE TRANSFER	POWER TRANSFER HINGE/DOOR CORD	BASE	1	BREAKROOM/KITCHEN	106	Y102	Y601	SD-28-1	Y514	-----	-----	-----	Y453	2	ENC-132-01
SD-21-130	SD-21 ASSY	-----	-----	SINGLE DOOR: SD-21	SINGLE DOOR SECURITY ASSEMBLY [R, DC, EL W/ REX, PTH]	BASE	1	ETG LAB	130	Y102	Y601	-----	-----	-----	-----	-----	-----	-----	-----
R-130	10160	LENEL	900W2036-QXYON	READER	READER; VERIDT, PIVCLASS, STEALTH DUAL W/ PIN KEYPAD, OSDP	BASE	1	ETG LAB	130	Y102	Y601	SD-21-1	Y511	-----	Y575	1	Y452	1	ENC-132-01
DC-130	10301.1	MAGNASPHERE	MSS-301C	DOOR CONTACT	MAGNETIC CONTACT, 1" DIA CONCEALED MOUNT, 1 CLOSED LOOP, NO TAMPER	BASE	1	ETG LAB	130	Y102	Y601	SD-21-1	Y511	-----	Y575	2	Y452	1	ENC-132-01
L-130	BYOTHERS-EL1	SCHLAGE	L9092HDEU 06N RX CON	ELECTRIFIED LOCK	ELECTRIFIED MORTISE LOCKSET WITH BUILT IN REX [SD/DD-21]	BASE	1	ETG LAB	130	Y102	Y601	SD-21-1	Y511	-----	Y577	1	Y452	1	ENC-132-01
PTH-130	BYOTHERS-PTH	VON DUPRIN	EPT-10 (OR EQUIVALENT)	WIRE TRANSFER	POWER TRANSFER HINGE/DOOR CORD	BASE	1	ETG LAB	130	Y102	Y601	SD-21-1	Y511	-----	-----	-----	Y452	1	ENC-132-01
SD-21-131A	SD-21 ASSY	-----	-----	SINGLE DOOR: SD-21	SINGLE DOOR SECURITY ASSEMBLY [R, DC, EL W/ REX, PTH]	BASE	1	ELECTRONICS ROOM	131	Y102	Y601	-----	-----	-----	-----	-----	-----	-----	-----
R-131A	10160	LENEL	900W2036-QXYON	READER	READER; VERIDT, PIVCLASS, STEALTH DUAL W/ PIN KEYPAD, OSDP	BASE	1	ELECTRONICS ROOM	131	Y102	Y601	SD-21-1	Y511	-----	Y575	1	Y452	1	ENC-132-01
DC-131A	10301.1	MAGNASPHERE	MSS-301C	DOOR CONTACT	MAGNETIC CONTACT, 1" DIA CONCEALED MOUNT, 1 CLOSED LOOP, NO TAMPER	BASE	1	ELECTRONICS ROOM	131	Y102	Y601	SD-21-1	Y511	-----	Y575	2	Y452	1	ENC-132-01
L-131A	BYOTHERS-EL1	SCHLAGE	L9092HDEU 06N RX CON	ELECTRIFIED LOCK	ELECTRIFIED MORTISE LOCKSET WITH BUILT IN REX [SD/DD-21]	BASE	1	ELECTRONICS ROOM	131	Y102	Y601	SD-21-1	Y511	-----	Y577	1	Y452	1	ENC-132-01
PTH-131A	BYOTHERS-PTH	VON DUPRIN	EPT-10 (OR EQUIVALENT)	WIRE TRANSFER	POWER TRANSFER HINGE/DOOR CORD	BASE	1	ELECTRONICS ROOM	131	Y102	Y601	SD-21-1	Y511	-----	-----	-----	Y452	1	ENC-132-01
DD-02-131B	DD-02 ASSY	-----	-----	DOUBLE DOOR: DD-02	DOUBLE DOOR SECURITY ASSEMBLY [DC, DC, REX]	BASE	1	ELECTRONICS ROOM	131	Y102	Y601	-----	-----	-----	-----	-----	-----	-----	-----
DC-131B-A	10301.1	MAGNASPHERE	MSS-301C	DOOR CONTACT	MAGNETIC CONTACT, 1" DIA CONCEALED MOUNT, 1 CLOSED LOOP, NO TAMPER	BASE	1	ELECTRONICS ROOM	131	Y102	Y601	DD-02-1	Y518	-----	Y575	3	Y451	1	ENC-132-01
DC-131B-B	10301.1	MAGNASPHERE	MSS-301C	DOOR CONTACT	MAGNETIC CONTACT, 1" DIA CONCEALED MOUNT, 1 CLOSED LOOP, NO TAMPER	BASE	1	ELECTRONICS ROOM	131	Y102	Y601	DD-02-1	Y518	-----	Y575	3	Y451	1	ENC-132-01
X-131B	10331.1	KANTECH	T-REX-LT	REQUEST TO EXIT	PASSIVE INFRARED REQUEST TO EXIT SENSOR, WHITE	BASE	1	ELECTRONICS ROOM	131	Y102	Y601	DD-02-1	Y518	-----	Y575	4	Y451	1	ENC-132-01
SD-21-133A	SD-21 ASSY	-----	-----	SINGLE DOOR: SD-21	SINGLE DOOR SECURITY ASSEMBLY [R, DC, EL W/ REX, PTH]	BASE	1	TRACON	133	Y102	Y601	-----	-----	-----	-----	-----	-----	-----	-----
R-133A	10160	LENEL	900W2036-QXYON	READER	READER; VERIDT, PIVCLASS, STEALTH DUAL W/ PIN KEYPAD, OSDP	BASE	1	TRACON	133	Y102	Y601	SD-21-2	Y512	-----	Y575	1	Y452	2	ENC-132-01
DC-133A	10301.1	MAGNASPHERE	MSS-301C	DOOR CONTACT	MAGNETIC CONTACT, 1" DIA CONCEALED MOUNT, 1 CLOSED LOOP, NO TAMPER	BASE	1	TRACON	133	Y102	Y601	SD-21-2	Y512	-----	Y575	2	Y452	2	ENC-132-01
L-133A	BYOTHERS-EL1	SCHLAGE	L9092HDEU 06N RX CON	ELECTRIFIED LOCK	ELECTRIFIED MORTISE LOCKSET WITH BUILT IN REX [SD/DD-21]	BASE	1	TRACON	133	Y102	Y601	SD-21-2	Y512	-----	Y577	1	Y452	2	ENC-132-01
PTH-133A	BYOTHERS-PTH	VON DUPRIN	EPT-10 (OR EQUIVALENT)	WIRE TRANSFER	POWER TRANSFER HINGE/DOOR CORD	BASE	1	TRACON	133	Y102	Y601	SD-21-2	Y512	-----	-----	-----	Y452	2	ENC-132-01
VIC-133A-01	40027	ZENITEL	1008315030	INTERCOM DOOR STATION	TCIV-3+ IP VIDEO INTERCOM STATION, BLACK, 1-BUTTON	BASE	1	TRACON	133	Y102	Y601	VIC-2	Y570	-----	Y585	1	Y452	2	-----

DEVICE ID	ITEM NO	MANUFACTURER	PART NUMBER	DEVICE TYPE	DESCRIPTION	LOCATION				FLOOR	RISER	HW SET	WIRING		MOUNTING		ELEVATION		CAMERA VIEW /
						BLDG	FLOOR	AREA	ROOM	PLAN			DWG	DETAIL	DWG	DETAIL	DWG	DETAIL	PARENT ENCLOSURE
SD-05D-133B	SD-05D ASSY	-----	-----	SINGLE DOOR: SD-05D	SINGLE DOOR SECURITY ASSEMBLY [DC, EXD(D), PTH, (NO LOCK PS)]	BASE	1	TRACON	133	Y102	Y601	-----	-----	-----	-----	-----	-----	-----	-----
DC-133B	10301.1	MAGNASPHERE	MSS-301C	DOOR CONTACT	MAGNETIC CONTACT, 1" DIA CONCEALED MOUNT, 1 CLOSED LOOP, NO TAMPER	BASE	1	TRACON	133	Y102	Y601	SD-05D-1	Y518	-----	Y575	2	Y451	2	ENC-132-01
L-133B	BYOTHERS-EXD(D)	TBD	TBD	ELECTRIFIED LOCK	DELAYED EGRESS EMERGENCY EXIT HARDWARE, LOW CURRENT (NO SEPARATE PS) [SD-05D]	BASE	1	TRACON	133	Y102	Y601	SD-05D-1	Y518	-----	Y577	3	Y451	2	ENC-132-01
PTH-133B	BYOTHERS-PTH	VON DUPRIN	EPT-10 (OR EQUIVALENT)	WIRE TRANSFER	POWER TRANSFER HINGE/DOOR CORD	BASE	1	TRACON	133	Y102	Y601	SD-05D-1	Y518	-----	-----	-----	Y451	2	ENC-132-01
DD-21-134A	DD-21 ASSY	-----	-----	DOUBLE DOOR: DD-21	DOUBLE DOOR SECURITY ASSEMBLY [R, DC, DC, EL W/ REX, PTH]	BASE	1	MECHANICAL ROOM	134	Y102	Y601	-----	-----	-----	-----	-----	-----	-----	-----
R-134A	10160	LENEL	900W2036-QXYON	READER	READER; VERIDT, PIVCLASS, STEALTH DUAL W/ PIN KEYPAD, OSDP	BASE	1	MECHANICAL ROOM	134	Y102	Y601	DD-21-1	Y512	-----	Y575	1	Y453	1	ENC-132-01
DC-134A-A	10301.1	MAGNASPHERE	MSS-301C	DOOR CONTACT	MAGNETIC CONTACT, 1" DIA CONCEALED MOUNT, 1 CLOSED LOOP, NO TAMPER	BASE	1	MECHANICAL ROOM	134	Y102	Y601	DD-21-1	Y512	-----	Y575	3	Y453	1	ENC-132-01
DC-134A-B	10301.1	MAGNASPHERE	MSS-301C	DOOR CONTACT	MAGNETIC CONTACT, 1" DIA CONCEALED MOUNT, 1 CLOSED LOOP, NO TAMPER	BASE	1	MECHANICAL ROOM	134	Y102	Y601	DD-21-1	Y512	-----	Y575	3	Y453	1	ENC-132-01
L-134A	BYOTHERS-EL1	SCHLAGE	L9092HDEU 06N RX CON	ELECTRIFIED LOCK	ELECTRIFIED MORTISE LOCKSET WITH BUILT IN REX [SD/DD-21]	BASE	1	MECHANICAL ROOM	134	Y102	Y601	DD-21-1	Y512	-----	Y577	1	Y453	1	ENC-132-01
PTH-134A	BYOTHERS-PTH	VON DUPRIN	EPT-10 (OR EQUIVALENT)	WIRE TRANSFER	POWER TRANSFER HINGE/DOOR CORD	BASE	1	MECHANICAL ROOM	134	Y102	Y601	DD-21-1	Y512	-----	-----	-----	Y453	1	ENC-132-01
DD-02-134B	DD-02 ASSY	-----	-----	DOUBLE DOOR: DD-02	DOUBLE DOOR SECURITY ASSEMBLY [DC, DC, REX]	BASE	1	MECHANICAL ROOM	134	Y102	Y601	-----	-----	-----	-----	-----	-----	-----	-----
DC-134B-A	10301.1	MAGNASPHERE	MSS-301C	DOOR CONTACT	MAGNETIC CONTACT, 1" DIA CONCEALED MOUNT, 1 CLOSED LOOP, NO TAMPER	BASE	1	MECHANICAL ROOM	134	Y102	Y601	DD-02-1	Y518	-----	Y575	3	Y451	1	ENC-132-01
DC-134B-B	10301.1	MAGNASPHERE	MSS-301C	DOOR CONTACT	MAGNETIC CONTACT, 1" DIA CONCEALED MOUNT, 1 CLOSED LOOP, NO TAMPER	BASE	1	MECHANICAL ROOM	134	Y102	Y601	DD-02-1	Y518	-----	Y575	3	Y451	1	ENC-132-01
X-134B	10331.1	KANTECH	T-REX-LT	REQUEST TO EXIT	PASSIVE INFRARED REQUEST TO EXIT SENSOR, WHITE	BASE	1	MECHANICAL ROOM	134	Y102	Y601	DD-02-1	Y518	-----	Y575	4	Y451	1	ENC-132-01
DD-02-135A	DD-02 ASSY	-----	-----	DOUBLE DOOR: DD-02	DOUBLE DOOR SECURITY ASSEMBLY [DC, DC, REX]	BASE	1	FIRE PUMP ROOM	135	Y102	Y601	-----	-----	-----	-----	-----	-----	-----	-----
DC-135A-A	10301.1	MAGNASPHERE	MSS-301C	DOOR CONTACT	MAGNETIC CONTACT, 1" DIA CONCEALED MOUNT, 1 CLOSED LOOP, NO TAMPER	BASE	1	FIRE PUMP ROOM	135	Y102	Y601	DD-02-1	Y518	-----	Y575	3	Y451	1	ENC-132-01
DC-135A-B	10301.1	MAGNASPHERE	MSS-301C	DOOR CONTACT	MAGNETIC CONTACT, 1" DIA CONCEALED MOUNT, 1 CLOSED LOOP, NO TAMPER	BASE	1	FIRE PUMP ROOM	135	Y102	Y601	DD-02-1	Y518	-----	Y575	3	Y451	1	ENC-132-01
X-135A	10331.1	KANTECH	T-REX-LT	REQUEST TO EXIT	PASSIVE INFRARED REQUEST TO EXIT SENSOR, WHITE	BASE	1	FIRE PUMP ROOM	135	Y102	Y601	DD-02-1	Y518	-----	Y575	4	Y451	1	ENC-132-01
SD-02-136B	SD-02 ASSY	-----	-----	SINGLE DOOR: SD-02	SINGLE DOOR SECURITY ASSEMBLY [DC, REX]	BASE	1	FIRE LIFE SAFETY ELEC RM	136	Y102	Y601	-----	-----	-----	-----	-----	-----	-----	-----
DC-136B	10301.1	MAGNASPHERE	MSS-301C	DOOR CONTACT	MAGNETIC CONTACT, 1" DIA CONCEALED MOUNT, 1 CLOSED LOOP, NO TAMPER	BASE	1	FIRE LIFE SAFETY ELEC RM	136	Y102	Y601	SD-02-1	Y518	-----	Y575	2	Y450	2	ENC-132-01
X-136B	10331.1	KANTECH	T-REX-LT	REQUEST TO EXIT	PASSIVE INFRARED REQUEST TO EXIT SENSOR, WHITE	BASE	1	FIRE LIFE SAFETY ELEC RM	136	Y102	Y601	SD-02-1	Y518	-----	Y575	4	Y450	2	ENC-132-01
SD-28-137B	SD-28 ASSY	-----	-----	SINGLE DOOR: SD-28	SINGLE DOOR SECURITY ASSEMBLY [R, DC, QEL W/ REX, PTH]	BASE	1	TECH STORAGE WORK	137	Y102	Y601	-----	-----	-----	-----	-----	-----	-----	-----
R-137B	10160	LENEL	900W2036-QXYON	READER	READER; VERIDT, PIVCLASS, STEALTH DUAL W/ PIN KEYPAD, OSDP	BASE	1	TECH STORAGE WORK	137	Y102	Y601	SD-28-1	Y514	-----	Y575	1	Y453	2	ENC-132-01
DC-137B	10301.1	MAGNASPHERE	MSS-301C	DOOR CONTACT	MAGNETIC CONTACT, 1" DIA CONCEALED MOUNT, 1 CLOSED LOOP, NO TAMPER	BASE	1	TECH STORAGE WORK	137	Y102	Y601	SD-28-1	Y514	-----	Y575	2	Y453	2	ENC-132-01
L-137B	BYOTHERS-QEL2	VON DUPRIN	RX-QEL-98	ELECTRIFIED LOCK	ELECTRIC LATCH RETRACTION HARDWARE WITH BUILT IN REX, LOW CURRENT [SD/DD-28] [NO SEPARATE PS]	BASE	1	TECH STORAGE WORK	137	Y102	Y601	SD-28-1	Y514	-----	Y577	2	Y453	2	ENC-132-01
PTH-137B	BYOTHERS-PTH	VON DUPRIN	EPT-10 (OR EQUIVALENT)	WIRE TRANSFER	POWER TRANSFER HINGE/DOOR CORD	BASE	1	TECH STORAGE WORK	137	Y102	Y601	SD-28-1	Y514	-----	-----	-----	Y453	2	ENC-132-01
SD-21-138	SD-21 ASSY	-----	-----	SINGLE DOOR: SD-21	SINGLE DOOR SECURITY ASSEMBLY [R, DC, EL W/ REX, PTH]	BASE	1	ENVIRONMENTAL SHOP	138	Y102	Y601	-----	-----	-----	-----	-----	-----	-----	-----
R-138	10160	LENEL	900W2036-QXYON	READER	READER; VERIDT, PIVCLASS, STEALTH DUAL W/ PIN KEYPAD, OSDP	BASE	1	ENVIRONMENTAL SHOP	138	Y102	Y601	SD-21-1	Y513	-----	Y575	1	Y452	1	ENC-132-01
DC-138	10301.1	MAGNASPHERE	MSS-301C	DOOR CONTACT	MAGNETIC CONTACT, 1" DIA CONCEALED MOUNT, 1 CLOSED LOOP, NO TAMPER	BASE	1	ENVIRONMENTAL SHOP	138	Y102	Y601	SD-21-1	Y513	-----	Y575	2	Y452	1	ENC-132-01
L-138	BYOTHERS-EL1	SCHLAGE	L9092HDEU 06N RX CON	ELECTRIFIED LOCK	ELECTRIFIED MORTISE LOCKSET WITH BUILT IN REX [SD/DD-21]	BASE	1	ENVIRONMENTAL SHOP	138	Y102	Y601	SD-21-1	Y513	-----	Y577	1	Y452	1	ENC-132-01
PTH-138	BYOTHERS-PTH	VON DUPRIN	EPT-10 (OR EQUIVALENT)	WIRE TRANSFER	POWER TRANSFER HINGE/DOOR CORD	BASE	1	ENVIRONMENTAL SHOP	138	Y102	Y601	SD-21-1	Y513	-----	-----	-----	Y452	1	ENC-132-01
SD-28-139A	SD-28 ASSY	-----	-----	SINGLE DOOR: SD-28	SINGLE DOOR SECURITY ASSEMBLY [R, DC, QEL W/ REX, PTH]	BASE	1	LOADING DOCK/RECEIVE	139	Y102	Y601	-----	-----	-----	-----	-----	-----	-----	-----
R-139A	10160	LENEL	900W2036-QXYON	READER	READER; VERIDT, PIVCLASS, STEALTH DUAL W/ PIN KEYPAD, OSDP	BASE	1	LOADING DOCK/RECEIVE	139	Y102	Y601	SD-28-1	Y515	-----	Y575	1	Y453	2	ENC-132-01
DC-139A	10301.1	MAGNASPHERE	MSS-301C	DOOR CONTACT	MAGNETIC CONTACT, 1" DIA CONCEALED MOUNT, 1 CLOSED LOOP, NO TAMPER	BASE	1	LOADING DOCK/RECEIVE	139	Y102	Y601	SD-28-1	Y515	-----	Y575	2	Y453	2	ENC-132-01
L-139A	BYOTHERS-QEL2	VON DUPRIN	RX-QEL-98	ELECTRIFIED LOCK	ELECTRIC LATCH RETRACTION HARDWARE WITH BUILT IN REX, LOW CURRENT [SD/DD-28] [NO SEPARATE PS]	BASE	1	LOADING DOCK/RECEIVE	139	Y102	Y601	SD-28-1	Y515	-----	Y577	2	Y453	2	ENC-132-01
PTH-139A	BYOTHERS-PTH	VON DUPRIN	EPT-10 (OR EQUIVALENT)	WIRE TRANSFER	POWER TRANSFER HINGE/DOOR CORD	BASE	1	LOADING DOCK/RECEIVE	139	Y102	Y601	SD-28-1	Y515	-----	-----	-----	Y453	2	ENC-132-01
RU-01-139B	RU-01 ASSY	-----	-----	ROLL-UP DOOR: RU-01	ROLL-UP DOOR SECURITY ASSEMBLY [DC]	BASE	1	LOADING DOCK/RECEIVE	139	Y103	Y601	-----	-----	-----	-----	-----	-----	-----	-----
DC-139B	10330.1	EDWARDS SIGNALING	2304A-L	DOOR CONTACT	MAGNETIC CONTACT FOR CURTAIN DOORS, TRACK MOUNT, SPDT, OPEN/CLOSED LOOP, FORM C, ARMORED CABLE	BASE	1	LOADING DOCK/RECEIVE	139	Y103	Y601	RU-01-1	Y518	-----	Y577	4	Y455	1	ENC-132-01
SD-28-140B	SD-28 ASSY	-----	-----	SINGLE DOOR: SD-28	SINGLE DOOR SECURITY ASSEMBLY [R, DC, QEL W/ REX, PTH]	BASE	1	TELECOM/LAN	140	Y102	Y601	-----	-----	-----	-----	-----	-----	-----	-----
R-140B	10160	LENEL	900W2036-QXYON	READER	READER; VERIDT, PIVCLASS, STEALTH DUAL W/ PIN KEYPAD, OSDP	BASE	1	TELECOM/LAN	140	Y102	Y601	SD-28-1	Y515	-----	Y575	1	Y453	2	ENC-132-01
DC-140B	10301.1	MAGNASPHERE	MSS-301C	DOOR CONTACT	MAGNETIC CONTACT, 1" DIA CONCEALED MOUNT, 1 CLOSED LOOP, NO TAMPER	BASE	1	TELECOM/LAN	140	Y102	Y601	SD-28-1	Y515	-----	Y575	2	Y453	2	ENC-132-01
L-140B	BYOTHERS-QEL2	VON DUPRIN	RX-QEL-98	ELECTRIFIED LOCK	ELECTRIC LATCH RETRACTION HARDWARE WITH BUILT IN REX, LOW CURRENT [SD/DD-28] [NO SEPARATE PS]	BASE	1	TELECOM/LAN	140	Y102	Y601	SD-28-1	Y515	-----	Y577	2	Y453	2	ENC-132-01
PTH-140B	BYOTHERS-PTH	VON DUPRIN	EPT-10 (OR EQUIVALENT)	WIRE TRANSFER	POWER TRANSFER HINGE/DOOR CORD	BASE	1	TELECOM/LAN	140	Y102	Y601	SD-28-1	Y515	-----	-----	-----	Y453	2	ENC-132-01
SD-21-141	SD-21 ASSY	-----	-----	SINGLE DOOR: SD-21	SINGLE DOOR SECURITY ASSEMBLY [R, DC, EL W/ REX, PTH]	BASE	1	UPS ROOM	141	Y102	Y601	-----	-----	-----	-----	-----	-----	-----	-----
R-141	10160	LENEL	900W2036-QXYON	READER	READER; VERIDT, PIVCLASS, STEALTH DUAL W/ PIN KEYPAD, OSDP	BASE	1	UPS ROOM	141	Y102	Y601	SD-21-1	Y513	-----	Y575	1	Y452	1	ENC-132-01
DC-141	10301.1	MAGNASPHERE	MSS-301C	DOOR CONTACT	MAGNETIC CONTACT, 1" DIA CONCEALED MOUNT, 1 CLOSED LOOP, NO TAMPER	BASE	1	UPS ROOM	141	Y102	Y601	SD-21-1	Y513	-----	Y575	2	Y452	1	ENC-132-01
L-141	BYOTHERS-EL1	SCHLAGE	L9092HDEU 06N RX CON	ELECTRIFIED LOCK	ELECTRIFIED MORTISE LOCKSET WITH BUILT IN REX [SD/DD-21]	BASE	1	UPS ROOM	141	Y102	Y601	SD-21-1	Y513	-----	Y577	1	Y452	1	ENC-132-01
PTH-141	BYOTHERS-PTH	VON DUPRIN	EPT-10 (OR EQUIVALENT)	WIRE TRANSFER	POWER TRANSFER HINGE/DOOR CORD	BASE	1	UPS ROOM	141	Y102	Y601	SD-21-1	Y513	-----	-----	-----	Y452	1	ENC-132-01

DEVICE ID	ITEM NO	MANUFACTURER	PART NUMBER	DEVICE TYPE	DESCRIPTION	LOCATION				FLOOR PLAN	RISER	HW SET	WIRING		MOUNTING		ELEVATION		CAMERA VIEW / PARENT ENCLOSURE
						BLDG	FLOOR	AREA	ROOM				DWG	DETAIL	DWG	DETAIL	DWG	DETAIL	
SD-02-142B	SD-02 ASSY	-----	-----	SINGLE DOOR: SD-02	SINGLE DOOR SECURITY ASSEMBLY [DC, REX]	BASE	1	BATTERY	142	Y102	Y601	-----	-----	-----	-----	-----	-----	-----	-----
L-DC-142B	10301.1	MAGNASPHERE	MSS-301C	DOOR CONTACT	MAGNETIC CONTACT, 1" DIA CONCEALED MOUNT, 1 CLOSED LOOP, NO TAMPER	BASE	1	BATTERY	142	Y102	Y601	SD-02-1	Y518	-----	Y575	2	Y450	2	ENC-132-01
X-142B	10331.1	KANTECH	T-REX-LT	REQUEST TO EXIT	PASSIVE INFRARED REQUEST TO EXIT SENSOR, WHITE	BASE	1	BATTERY	142	Y102	Y601	SD-02-1	Y518	-----	Y575	4	Y450	2	ENC-132-01
DD-28A-143A	DD-28A ASSY	-----	-----	DOUBLE DOOR: DD-28A	DOUBLE DOOR SECURITY ASSEMBLY [R, DC, DC, QEL X2 W/ REX, PTH X2]	BASE	1	ELECTRICAL DIST ROOM	143	Y102	Y601	-----	-----	-----	-----	-----	-----	-----	-----
R-143A	10160	LENEL	900W2036-QXYON	READER	READER; VERIDT, PIVCLASS, STEALTH DUAL W/ PIN KEYPAD, OSDP	BASE	1	ELECTRICAL DIST ROOM	143	Y102	Y601	DD-28A-1	Y516	-----	Y575	1	Y454	1	ENC-132-01
DC-143A-A	10301.1	MAGNASPHERE	MSS-301C	DOOR CONTACT	MAGNETIC CONTACT, 1" DIA CONCEALED MOUNT, 1 CLOSED LOOP, NO TAMPER	BASE	1	ELECTRICAL DIST ROOM	143	Y102	Y601	DD-28A-1	Y516	-----	Y575	3	Y454	1	ENC-132-01
DC-143A-B	10301.1	MAGNASPHERE	MSS-301C	DOOR CONTACT	MAGNETIC CONTACT, 1" DIA CONCEALED MOUNT, 1 CLOSED LOOP, NO TAMPER	BASE	1	ELECTRICAL DIST ROOM	143	Y102	Y601	DD-28A-1	Y516	-----	Y575	3	Y454	1	ENC-132-01
L-143A-A	BYOTHERS-QEL1	VON DUPRIN	LX-RX-QEL-9849	ELECTRIFIED LOCK	ELECTRIC LATCH RETRACTION HARDWARE WITH BUILT IN REX, LOW CURRENT [SD/DD-28] [NO SEPARATE PS]	BASE	1	ELECTRICAL DIST ROOM	143	Y102	Y601	DD-28A-1	Y516	-----	Y577	2	Y454	1	ENC-132-01
L-143A-B	BYOTHERS-QEL1	VON DUPRIN	LX-RX-QEL-9849	ELECTRIFIED LOCK	ELECTRIC LATCH RETRACTION HARDWARE WITH BUILT IN REX, LOW CURRENT [SD/DD-28] [NO SEPARATE PS]	BASE	1	ELECTRICAL DIST ROOM	143	Y102	Y601	DD-28A-1	Y516	-----	Y577	2	Y454	1	ENC-132-01
PTH-143A-A	BYOTHERS-PTH	VON DUPRIN	EPT-10 (OR EQUIVALENT)	WIRE TRANSFER	POWER TRANSFER HINGE/DOOR CORD	BASE	1	ELECTRICAL DIST ROOM	143	Y102	Y601	DD-28A-1	Y516	-----	-----	-----	Y454	1	ENC-132-01
PTH-143A-B	BYOTHERS-PTH	VON DUPRIN	EPT-10 (OR EQUIVALENT)	WIRE TRANSFER	POWER TRANSFER HINGE/DOOR CORD	BASE	1	ELECTRICAL DIST ROOM	143	Y102	Y601	DD-28A-1	Y516	-----	-----	-----	Y454	1	ENC-132-01
DD-02-143B	DD-02 ASSY	-----	-----	DOUBLE DOOR: DD-02	DOUBLE DOOR SECURITY ASSEMBLY [DC, DC, REX]	BASE	1	ELECTRICAL DIST ROOM	143	Y102	Y601	-----	-----	-----	-----	-----	-----	-----	-----
DC-143B-A	10301.1	MAGNASPHERE	MSS-301C	DOOR CONTACT	MAGNETIC CONTACT, 1" DIA CONCEALED MOUNT, 1 CLOSED LOOP, NO TAMPER	BASE	1	ELECTRICAL DIST ROOM	143	Y102	Y601	DD-02-1	Y518	-----	Y575	3	Y451	1	ENC-132-01
DC-143B-B	10301.1	MAGNASPHERE	MSS-301C	DOOR CONTACT	MAGNETIC CONTACT, 1" DIA CONCEALED MOUNT, 1 CLOSED LOOP, NO TAMPER	BASE	1	ELECTRICAL DIST ROOM	143	Y102	Y601	DD-02-1	Y518	-----	Y575	3	Y451	1	ENC-132-01
X-143B	10331.1	KANTECH	T-REX-LT	REQUEST TO EXIT	PASSIVE INFRARED REQUEST TO EXIT SENSOR, WHITE	BASE	1	ELECTRICAL DIST ROOM	143	Y102	Y601	DD-02-1	Y518	-----	Y575	4	Y451	1	ENC-132-01
DD-28A-L101	DD-28A ASSY	-----	-----	DOUBLE DOOR: DD-28A	DOUBLE DOOR SECURITY ASSEMBLY [R, DC, DC, QEL X2 W/ REX, PTH X2]	BASE	1	LINK	L101	Y103	Y602	-----	-----	-----	-----	-----	-----	-----	-----
R-L101	10160	LENEL	900W2036-QXYON	READER	READER; VERIDT, PIVCLASS, STEALTH DUAL W/ PIN KEYPAD, OSDP	BASE	1	LINK	L101	Y103	Y602	DD-28A-1	Y517	-----	Y575	1	Y454	1	ENC-132-01
DC-L101-A	10301.1	MAGNASPHERE	MSS-301C	DOOR CONTACT	MAGNETIC CONTACT, 1" DIA CONCEALED MOUNT, 1 CLOSED LOOP, NO TAMPER	BASE	1	LINK	L101	Y103	Y602	DD-28A-1	Y517	-----	Y575	3	Y454	1	ENC-132-01
DC-L101-B	10301.1	MAGNASPHERE	MSS-301C	DOOR CONTACT	MAGNETIC CONTACT, 1" DIA CONCEALED MOUNT, 1 CLOSED LOOP, NO TAMPER	BASE	1	LINK	L101	Y103	Y602	DD-28A-1	Y517	-----	Y575	3	Y454	1	ENC-132-01
L-L101-A	BYOTHERS-QEL1	VON DUPRIN	LX-RX-QEL-9849	ELECTRIFIED LOCK	ELECTRIC LATCH RETRACTION HARDWARE WITH BUILT IN REX, LOW CURRENT [SD/DD-28] [NO SEPARATE PS]	BASE	1	LINK	L101	Y103	Y602	DD-28A-1	Y517	-----	Y577	2	Y454	1	ENC-132-01
L-L101-B	BYOTHERS-QEL1	VON DUPRIN	LX-RX-QEL-9849	ELECTRIFIED LOCK	ELECTRIC LATCH RETRACTION HARDWARE WITH BUILT IN REX, LOW CURRENT [SD/DD-28] [NO SEPARATE PS]	BASE	1	LINK	L101	Y103	Y602	DD-28A-1	Y517	-----	Y577	2	Y454	1	ENC-132-01
PTH-L101-A	BYOTHERS-PTH	VON DUPRIN	EPT-10 (OR EQUIVALENT)	WIRE TRANSFER	POWER TRANSFER HINGE/DOOR CORD	BASE	1	LINK	L101	Y103	Y602	DD-28A-1	Y517	-----	-----	-----	Y454	1	ENC-132-01
PTH-L101-B	BYOTHERS-PTH	VON DUPRIN	EPT-10 (OR EQUIVALENT)	WIRE TRANSFER	POWER TRANSFER HINGE/DOOR CORD	BASE	1	LINK	L101	Y103	Y602	DD-28A-1	Y517	-----	-----	-----	Y454	1	ENC-132-01

DEVICE ID	ITEM NO	MANUFACTURER	PART NUMBER	DEVICE TYPE	DESCRIPTION	LOCATION				FLOOR PLAN	RISER	HW SET	WIRING		MOUNTING		ELEVATION		CAMERA VIEW / PARENT ENCLOSURE
						BLDG	FLOOR	AREA	ROOM				DWG	DETAIL	DWG	DETAIL	DWG	DETAIL	
SD-02-T101B	SD-02 ASSY	----	----	SINGLE DOOR: SD-02	SINGLE DOOR SECURITY ASSEMBLY [DC, REX]	TOWER	1	STAIR 1	T101	Y103	Y602	----	----	----	----	----	----	----	----
DC-T101B	10301.1	MAGNASPHERE	MSS-301C	DOOR CONTACT	MAGNETIC CONTACT, 1" DIA CONCEALED MOUNT, 1 CLOSED LOOP, NO TAMPER	TOWER	1	STAIR 1	T101	Y103	Y602	SD-02-1	Y522	----	Y575	2	Y450	2	ENC-T406-01
X-T101B	10331.1	KANTECH	T.REX-LT	REQUEST TO EXIT	PASSIVE INFRARED REQUEST TO EXIT SENSOR, WHITE	TOWER	1	STAIR 1	T101	Y103	Y602	SD-02-1	Y522	----	Y575	4	Y450	2	ENC-T406-01
SD-02-T102B	SD-02 ASSY	----	----	SINGLE DOOR: SD-02	SINGLE DOOR SECURITY ASSEMBLY [DC, REX]	TOWER	1	STAIR 2	T102	Y103	Y602	----	----	----	----	----	----	----	----
DC-T102B	10301.1	MAGNASPHERE	MSS-301C	DOOR CONTACT	MAGNETIC CONTACT, 1" DIA CONCEALED MOUNT, 1 CLOSED LOOP, NO TAMPER	TOWER	1	STAIR 2	T102	Y103	Y602	SD-02-1	Y522	----	Y575	2	Y450	2	ENC-T406-01
X-T102B	10331.1	KANTECH	T.REX-LT	REQUEST TO EXIT	PASSIVE INFRARED REQUEST TO EXIT SENSOR, WHITE	TOWER	1	STAIR 2	T102	Y103	Y602	SD-02-1	Y522	----	Y575	4	Y450	2	ENC-T406-01
SD-01-T200	SD-01 ASSY	----	----	SINGLE DOOR: SD-01	SINGLE DOOR SECURITY ASSEMBLY [DC]	TOWER	2	LOBBY (ROOF ACCESS)	T200	Y103	Y602	----	----	----	----	----	----	----	----
DC-T200	10301.1	MAGNASPHERE	MSS-301C	DOOR CONTACT	MAGNETIC CONTACT, 1" DIA CONCEALED MOUNT, 1 CLOSED LOOP, NO TAMPER	TOWER	2	LOBBY (ROOF ACCESS)	T200	Y103	Y602	SD-01-1	Y522	----	Y575	2	Y450	1	ENC-T406-01
SD-21-T400	SD-21 ASSY	----	----	SINGLE DOOR: SD-21	SINGLE DOOR SECURITY ASSEMBLY [R, DC, EL W/ REX, PTH]	TOWER	4	UTILITY ACCESS	T406	Y103	Y602	----	----	----	----	----	----	----	----
R-T400	10160	LENEL	900W2036-QXYON	READER	READER; VERIDT, PIVCLASS, STEALTH DUAL W/ PIN KEYPAD, OSDP	TOWER	4	UTILITY ACCESS	T406	Y103	Y602	SD-21-1	Y520	----	Y575	1	Y452	1	ENC-T406-01
DC-T400	10301.1	MAGNASPHERE	MSS-301C	DOOR CONTACT	MAGNETIC CONTACT, 1" DIA CONCEALED MOUNT, 1 CLOSED LOOP, NO TAMPER	TOWER	4	UTILITY ACCESS	T406	Y103	Y602	SD-21-1	Y520	----	Y575	2	Y452	1	ENC-T406-01
L-T400	BYOTHERS-EL1	SCHLAGE	L9092HDEU 06N RX CON	ELECTRIFIED LOCK	ELECTRIFIED MORTISE LOCKSET WITH BUILT IN REX [SD/DD-21]	TOWER	4	UTILITY ACCESS	T406	Y103	Y602	SD-21-1	Y520	----	Y577	1	Y452	1	ENC-T406-01
PTH-T400	BYOTHERS-PTH	VON DUPRIN	EPT-10 (OR EQUIVALENT)	WIRE TRANSFER	POWER TRANSFER HINGE/DOOR CORD	TOWER	4	UTILITY ACCESS	T406	Y103	Y602	SD-21-1	Y520	----	----	----	Y452	1	ENC-T406-01
SD-21-TS12	SD-21 ASSY	----	----	SINGLE DOOR: SD-21	SINGLE DOOR SECURITY ASSEMBLY [R, DC, EL W/ REX, PTH]	TOWER	5	ELECTRONICS	TS12	Y103	Y602	----	----	----	----	----	----	----	----
R-TS12	10160	LENEL	900W2036-QXYON	READER	READER; VERIDT, PIVCLASS, STEALTH DUAL W/ PIN KEYPAD, OSDP	TOWER	5	ELECTRONICS	TS12	Y103	Y602	SD-21-1	Y521	----	Y575	1	Y452	1	ENC-T406-01
DC-TS12	10301.1	MAGNASPHERE	MSS-301C	DOOR CONTACT	MAGNETIC CONTACT, 1" DIA CONCEALED MOUNT, 1 CLOSED LOOP, NO TAMPER	TOWER	5	ELECTRONICS	TS12	Y103	Y602	SD-21-1	Y521	----	Y575	2	Y452	1	ENC-T406-01
L-TS12	BYOTHERS-EL1	SCHLAGE	L9092HDEU 06N RX CON	ELECTRIFIED LOCK	ELECTRIFIED MORTISE LOCKSET WITH BUILT IN REX [SD/DD-21]	TOWER	5	ELECTRONICS	TS12	Y103	Y602	SD-21-1	Y521	----	Y577	1	Y452	1	ENC-T406-01
PTH-TS12	BYOTHERS-PTH	VON DUPRIN	EPT-10 (OR EQUIVALENT)	WIRE TRANSFER	POWER TRANSFER HINGE/DOOR CORD	TOWER	5	ELECTRONICS	TS12	Y103	Y602	SD-21-1	Y521	----	----	----	Y452	1	ENC-T406-01
SD-21-TS11B	SD-21 ASSY	----	----	SINGLE DOOR: SD-21	SINGLE DOOR SECURITY ASSEMBLY [R, DC, EL W/ REX, PTH]	TOWER	5	MECHANICAL	TS11	Y103	Y602	----	----	----	----	----	----	----	----
R-TS11B	10160	LENEL	900W2036-QXYON	READER	READER; VERIDT, PIVCLASS, STEALTH DUAL W/ PIN KEYPAD, OSDP	TOWER	5	MECHANICAL	TS11	Y103	Y602	SD-21-1	Y520	----	Y575	1	Y452	1	ENC-T406-01
DC-TS11B	10301.1	MAGNASPHERE	MSS-301C	DOOR CONTACT	MAGNETIC CONTACT, 1" DIA CONCEALED MOUNT, 1 CLOSED LOOP, NO TAMPER	TOWER	5	MECHANICAL	TS11	Y103	Y602	SD-21-1	Y520	----	Y575	2	Y452	1	ENC-T406-01
L-TS11B	BYOTHERS-EL1	SCHLAGE	L9092HDEU 06N RX CON	ELECTRIFIED LOCK	ELECTRIFIED MORTISE LOCKSET WITH BUILT IN REX [SD/DD-21]	TOWER	5	MECHANICAL	TS11	Y103	Y602	SD-21-1	Y520	----	Y577	1	Y452	1	ENC-T406-01
PTH-TS11B	BYOTHERS-PTH	VON DUPRIN	EPT-10 (OR EQUIVALENT)	WIRE TRANSFER	POWER TRANSFER HINGE/DOOR CORD	TOWER	5	MECHANICAL	TS11	Y103	Y602	SD-21-1	Y520	----	----	----	Y452	1	ENC-T406-01
SD-21-T604	SD-21 ASSY	----	----	SINGLE DOOR: SD-21	SINGLE DOOR SECURITY ASSEMBLY [R, DC, EL W/ REX, PTH]	TOWER	6	CAB STAIR	T604	Y104	Y602	----	----	----	----	----	----	----	----
R-T604	10160	LENEL	900W2036-QXYON	READER	READER; VERIDT, PIVCLASS, STEALTH DUAL W/ PIN KEYPAD, OSDP	TOWER	6	CAB STAIR	T604	Y104	Y602	SD-21-2	Y521	----	Y575	1	Y452	2	ENC-T406-01
DC-T604	10301.1	MAGNASPHERE	MSS-301C	DOOR CONTACT	MAGNETIC CONTACT, 1" DIA CONCEALED MOUNT, 1 CLOSED LOOP, NO TAMPER	TOWER	6	CAB STAIR	T604	Y104	Y602	SD-21-2	Y521	----	Y575	2	Y452	2	ENC-T406-01
L-T604	BYOTHERS-EL1	SCHLAGE	L9092HDEU 06N RX CON	ELECTRIFIED LOCK	ELECTRIFIED MORTISE LOCKSET WITH BUILT IN REX [SD/DD-21]	TOWER	6	CAB STAIR	T604	Y104	Y602	SD-21-2	Y521	----	Y577	1	Y452	2	ENC-T406-01
PTH-T604	BYOTHERS-PTH	VON DUPRIN	EPT-10 (OR EQUIVALENT)	WIRE TRANSFER	POWER TRANSFER HINGE/DOOR CORD	TOWER	6	CAB STAIR	T604	Y104	Y602	SD-21-2	Y521	----	----	----	Y452	2	ENC-T406-01
VIC-T604-01	40027	ZENITEL	1008315030	INTERCOM DOOR STATION	TCIV-3+ IP VIDEO INTERCOM STATION, BLACK, 1-BUTTON	TOWER	6	CAB STAIR	T604	Y104	Y602	VIC-2	Y570	----	Y585	1	Y452	2	----
SD-01-T606	SD-01 ASSY	----	----	SINGLE DOOR: SD-01	SINGLE DOOR SECURITY ASSEMBLY [DC]	TOWER	6	CONSOLE ACCESS	T606	Y104	Y602	----	----	----	----	----	----	----	----
DC-T606	10301.1	MAGNASPHERE	MSS-301C	DOOR CONTACT	MAGNETIC CONTACT, 1" DIA CONCEALED MOUNT, 1 CLOSED LOOP, NO TAMPER	TOWER	6	CONSOLE ACCESS	T606	Y104	Y602	SD-01-1	Y522	----	Y575	2	Y450	1	ENC-T406-01

BESCO ELECTRICAL

Contract Modification Cost Proposal

Control No. COP #21 **DATE:** 03/26/2025
Revision No.

PROJECT: 220027-FL (TOWER NEW ATCT-TRACON FAC AVL)

DESCRIPTION

Provide labor and material electrical raceway system installations associated with the MC Dean Security Drawings dated: 05/17/2023 project documentation.

Special Note: COP #21 excludes restoration or refinishing of the following installations and surfaces: concourse aprons, tarmac areas, runways, roadways, parking areas, walkways, curbing, drywall, block, stucco, concrete, ceiling, flooring, brick, asphalt, etc.

LABOR

Rates Effective 01/01/2025 - 12/31/2025	RATE	HOURS	
Estimated Manhours:	$68.00	389.66	$26,496.88
Estimated Manhours (Premium Labor)	$34.00	194.83	$6,624.22
		Labor Subtotal	$33,121.10
Project Management:	$107.00	40.00	$4,280.00
Estimator:	$118.00	8.00	$944.00
		Mgmt. Subtotal	$5,224.00
		TOTAL LABOR	$38,345.10

MATERIAL

Material Per Take-off:			$10,910.05
Miscellaneous Materials:		0.00%	$0.00
Quoted Material:			$0.00
Freight:			$0.00
SUBTOTAL			$10,910.05
T/O Mat'l Escalation	0.00%	1 Year	$0.00
State Sales Tax North Carolina		7.00%	$763.70
		TOTAL MATERIAL	$11,673.75

EQUIPMENT

Construction Equipment/Tools:	$2,000.00
Mobilization/Demobilization:	$0.00
TOTAL EQUIPMENT	$2,000.00

OTHER

	HOURS	
Other Costs:		$0.00
TOTAL OTHER COSTS		$0.00

BESCO ELECTRICAL

Contract Modification Cost Proposal

SUBTOTAL

SUBTOTAL DIRECT COSTS		$52,018.85
Overhead	5.00%	$2,600.94
Home Office Overhead	0.00%	$0.00
Corporate Insurances	0.00%	$0.00
Contingency	0.00%	$0.00
Profit	5.00%	$2,730.99
JOB SUBTOTAL (Minus Subcontracts)		$57,350.79

SUBCONTRACT

Subcontracts : None		$0.00
		$0.00
Subtotal Subcontract		$0.00
Subcontract Mark-Up:	10.00%	$0.00
TOTAL SUBCONTRACT		$0.00

JOB SUBTOTAL		$57,350.79
TOTAL SUBCONTRACT		$0.00
Bond Premium	1.00%	$573.51
TOTAL REQUESTED		**$57,924.29**

Submitted By: Frank Loth

Additional Time Required None

ATTACHMENTS

Labor and Material Take-off Documentation
Reference Documentation

NOTES

1. This Proposal also reflects the request for an additional 28 days of time on the contract to perform this scope of work.
2. This proposal will remain valid for sixty (60) days.

COP #21 - SEC RW SYS

JOB 41 2025-TP: 2025-TP ES...
ESTIMATE 4 2200027-FL: NEW AT...
DATA SET 5 BESCO CI TSC/EST/...

BESCO Electrical
9829 Northcross Center Court
Suite D
Huntersville, NC 28078
(704) 892-4200 x105 / .
f.loth@bescoelectrical.com

PRINTED 3/26/2025 3:44:09 PM
MATERIAL Primary
LABOR Primary

NOTES

Item				Material	Labor
Size	Item Desc	Qty	UOM	Mat Ext	Lbr Ext
1"	EMT	2,300.00	FEET	7,705.00	161.0000
1"	EMT STL RT INS CONN	64.00	EACH	68.80	8.9600
1"	EMT STEEL COMP COUP	230.00	EACH	235.75	20.1250
1"	PLASTIC BUSHINGS	64.00	EACH	20.80	16.8000
1"	MINERALLAC STRAP	300.00	EACH	285.00	21.0000
1/4.	BEAM CLAMP-STEEL	370.00	EACH	740.00	97.1250
1/4X1-1/2	FENDER WASHER	70.00	EACH	8.75	0.1225
1/4-20	1 MACHINE SCREW	970.00	EACH	169.75	1.6975
1"	UNISTRUT STRAP	40.00	EACH	51.00	1.7500
1/4.	ALL THREAD ROD	600.00	FEET	705.00	21.0000
	10X10X4 HNG-CVR BOX	16.00	EACH	535.20	28.0000
	NYLON LINE	2,400.00	FEET	120.00	4.2000
12X12X4	WIREWAY	1.00	EACH	265.00	7.8750
Grand Totals				10,910.05	389.6550

361481 - Asheville Air Traffic Control Tower

95% MC Dean - Submittal Package
Cook & Boardman - 7/16/25

-1	**Single Door #130**	**PASSAGE 112 to ETG LAB 130**				**90° LH**
1	**Single Door #130**	**PASSAGE 112 to ETG LAB 130**				**90° LH**
-1	3080 HM STC 1-3/4 CR F STC50 LH					0.00
1	3080 HM STC 1-3/4 CR MS F STC50 LH					5,518.35
-1	WELD SGL LH 878 CRS 3080 (A01_MSZ1)					0.00
1	WELD SGL LH 878 CRS C 3080 (A01_MSZ1)					1,116.36
1	Electrified Mortise Lockset	L9092 EU H 06N BAA-CHARGE CON RX	LH	626	SC	1,353.20
				Opening Total:		**7,987.91**

-1	**Single Door #133B**	**EXTERIOR from TRACON 133**				**90° LHR**
1	**Single Door #133B**	**EXTERIOR from TRACON 133**				**90° LHR**
1	Exit Device	CXA 98EO 299 48"	LHR	US26D	VO	2,728.62
1	Electric Power Transfer	EPT 10 BAA CON		SP28	VO	618.95
				Opening Total:		**3,347.57**

-1	**Single Door #141**	**PASSAGE 112 to UPS ROOM 141**				**90° LH**
1	**Single Door #141**	**PASSAGE 112 to UPS ROOM 141**				**90° LH**
1	Electrified Mortise Lockset	L9092 EU H 06N BAA-CHARGE CON RX	LH	626	SC	1,353.20
1	Electric Power Transfer	EPT 10 BAA CON		SP28	VO	618.95
1	Switch	679-05HM			LO	81.20
				Opening Total:		**2,053.35**

-1	**Single Door #T101B**	**EXTERIOR from STAIR 1 T101**				**90° RHR**
1	**Single Door #T101B**	**EXTERIOR from STAIR 1 T101**				**90° RHR**
1	Switch	679-05HM			LO	81.20
				Opening Total:		**81.20**

-1	**Single Door #T102B**	**EXTERIOR from STAIR 2 T102**				**90° LHR**
1	**Single Door #T102B**	**EXTERIOR from STAIR 2 T102**				**90° LHR**
-1	HMD MS 14 A60 3080 F BW SEM 1 3/4 LHR (45H; C1; CAULK_TC)					0.00
1	HMD MS 14 A60 3080 F BW SEM 1 3/4 LHR (45H; C1; CAULK_TC; MAG/10)					0.00
-1	SQ 14 A60 634 SGL 3080 V3 BW RH (45H; A250; A30_EO_PS+; H1; OMIT_MUTES; TB)					(338.19)
1	SQ 14 A60 634 SGL 3080 V3 BW RH (45H; A250; A30_EO_PS+; H1; MS4; OMIT_MUTES; TB)					498.04
1	Switch	679-05HM			LO	81.20
				Opening Total:		**241.05**

-1	**Single Door #T400**	**LOBBY T400 from UTILITY ACCESS T406**			**90° RHR**	
1	**Single Door #T400**	**LOBBY T400 from UTILITY ACCESS T406**			**90° RHR**	
1	Exit Device	98L-F x M996L-R&V 06 299-F 425-SNB (QTY-2)	RHR	US26D	VO	2,359.77
1	Electric Power Transfer	EPT 10 BAA CON		SP28	VO	618.95
1	Wire Harness	CON-192P			SC	120.00
1	Wire Harness	CON-6			SC	31.67
				Opening Total:		**3,130.39**

-1	**Single Door #T511B**	**MECHANICAL T511 from ELECTRONICS T512**			**90° RHR**	
1	**Single Door #T511B**	**MECHANICAL T511 from ELECTRONICS T512**			**90° RHR**	
-1	HMD MS 18 CRS 3080 F CW SEM 1 3/4 RHR (45R; C1; LM2)					0.00
1	HMD MS 18 CRS 3080 F CW SEM 1 3/4 RHR (45R; C1; EPT2; LM2)					836.13
1	Electrified Mortise Lockset	L9092 EU H 06N BAA-CHARGE CON RX	RHR	626	SC	1,353.20
1	Electric Power Transfer	EPT 10 BAA CON		SP28	VO	618.95
1	Wire Harness	CON-192P			SC	120.00
1	Wire Harness	CON-32P			SC	55.01
				Opening Total:		**2,983.29**

-1	**Single Door #T606**	**CONSOLE ACCESS T606 to CATWALK**			**90° LH**	
1	**Single Door #T606**	**CONSOLE ACCESS T606 to CATWALK**			**90° LH**	
1	Switch	679-05HM			LO	81.20
				Opening Total:		**81.20**

-1	**Other Door #MISC**					
1	**Other Door #MISC**					
3	Hinges	5BB1 HW 5 x 4 1/2		630	IV	186.90
3	Hinges	3SP1 4 1/2 x 4 1/2		652	IV	55.26
1	Exit Device Trim	996L-NL-R&V		US26D	VO	549.20
1	Closer	4040XP SCUSH		AL	LC	773.48
				Opening Total:		**1,564.84**

Section Totals

08 11 13 Hollow Metal Doors & Frames	5,995.98
08 34 73 Sound Control Door Assemblies	6,634.71
08 71 11 Finish Hardware	13,840.08
Installation	7,142.86
Pre-Tax Total:	**33,613.63**

Taxes

10143	NC-Henderson County	672.27
10202	NC-NORTH CAROLINA STATE TAX 4.75%	1,596.65
	Tax Total:	**2,268.92**
	Grand Total:	**35,882.55**

Change Order #26
Update Security based on Teams Meeting 7_21_25

-1	**Single Door #130**	**PASSAGE 112 to ETG LAB 130**			**90° LH**
1	**Single Door #130**	**PASSAGE 112 to ETG LAB 130**			**90° LH**
-1	Electrified Mortise Lockset	L9092 EU H 06N BAA-CHARGE CON RX	LH	626	SC
1	Electric Strike	1006CS		630	HS
-1	**Single Door #133B**	**EXTERIOR from TRACON 133**			**90° LHR**
1	**Single Door #133B**	**EXTERIOR from TRACON 133**			**90° LHR**
-1	Electric Power Transfer	EPT 10 BAA CON		SP28	VO
1	Power Transfer Cord	EL-EPT			SN
-1	**Single Door #141**	**PASSAGE 112 to UPS ROOM 141**			**90° LH**
1	**Single Door #141**	**PASSAGE 112 to UPS ROOM 141**			**90° LH**
-1	Electrified Mortise Lockset	L9092 EU H 06N BAA-CHARGE CON RX	LH	626	SC
1	Electric Strike	1006CS		630	HS
-1	Electric Power Transfer	EPT 10 BAA CON		SP28	VO
-1	Switch	679-05HM			LO
-1	**Single Door #T400**	**LOBBY T400 from UTILITY ACCESS T406**			**90° RHR**
1	**Single Door #T400**	**LOBBY T400 from UTILITY ACCESS T406**			**90° RHR**
-1	Exit Device	98L-F x M996L-R&V 06 299-F 425-SNB (QTY-2)	RHR	US26D	VO
1	Electric Strike Body	9500 2004M		630	HS
-1	Electric Power Transfer	EPT 10 BAA CON		SP28	VO
-1	Wire Harness	CON-192P			SC
-1	Wire Harness	CON-6			SC
-1	**Single Door #T511B**	**MECHANICAL T511 from ELECTRONICS T512**			**90° RHR**
1	**Single Door #T511B**	**MECHANICAL T511 from ELECTRONICS T512**			**90° RHR**
-1	Electrified Mortise Lockset	L9092 EU H 06N BAA-CHARGE CON RX	RHR	626	SC
1	Electric Strike	1006CS		630	HS
-1	Electric Power Transfer	EPT 10 BAA CON		SP28	VO
-1	Wire Harness	CON-192P			SC
-1	Wire Harness	CON-32P			SC
1	**Single Door #130.R**	**PASSAGE 112 to ETG LAB 130**			**90° LH**
1	WELD SGL LH 878 CRS C 3080 (A01_MSZ1)				

Section Totals

08 34 73 Sound Control Door Assemblies	1,230.00
08 71 11 Finish Hardware	(3,310.00)
Pre-Tax Total:	(2,080.00)

Change Order #26

Update Security based on Teams Meeting 7_21_25

Taxes

10143	NC-Henderson County	(41.60)
10202	NC-NORTH CAROLINA STATE TAX 4.75%	(98.80)
	Tax Total:	(140.40)
	Grand Total:	(2,220.40)

Outlook

Re: Asheville ATCT / CCD-004 – Scope Clarification & Directive Request

From Joshua.Alexander@parsons.com <Joshua.Alexander@parsons.com>
Date Thu 7/10/2025 1:23 PM
To Bill Athanasoulis <bathanasoulis@JKokolakis.com>; Sean Thornton <sthornton@jkokolakis.com>
Cc Jake Parker <jparker@jkokolakis.com>; Philip Kennedy <PKennedy@JKokolakis.com>; Sebastian Rypien <SRypien@jkokolakis.com>; Cameron Champaigne <CChampaigne@JKokolakis.com>

1 attachment (24 KB)
Outlook-vkmt0w0v;

Sensitive

Bill,
In order to accommodate the MC Dean security systems, please add the door and hardware scope of work identified on the MC Dean drawings. I will work with you to create a document that details these changes, we will need to understand lead times for the affected materials. Please provide a submittal for review and we will forward to MC Dean.
Thanks,

Josh Alexander, CCM
ATCT Project Manager
Parsons Transportation Group
146 Westfeldt Dr.
Fletcher, NC 28732
joshua.alexander@parsons.com
M: +1 919.901.2940
Parsons / LinkedIn / Twitter / Facebook / Instagram

PARSONS

From: Bill Athanasoulis <bathanasoulis@JKokolakis.com>
Sent: Tuesday, July 8, 2025 5:49 PM
To: Sean Thornton <sthornton@jkokolakis.com>; Alexander, Joshua [US-US] <Joshua.Alexander@parsons.com>
Cc: Jake Parker <jparker@jkokolakis.com>; PKennedy <PKennedy@JKokolakis.com>; Sebastian Rypien <SRypien@jkokolakis.com>; Cameron Champaigne <CChampaigne@JKokolakis.com>
Subject: [EXTERNAL] Re: Asheville ATCT / CCD-004 – Scope Clarification & Directive Request

Josh,

The CCD directs rough-in work. The directive does not cover doors, hardware, or any other type of functional devices. Is the work beyond the rough-ins covered by MC Dean? If so no problem, if not this hardware needs to be provided in order for MC Dean's system to function as designed. As noted below door and hardware changes shown at both the TRACON and tower. These differ from the doors and hardware provided as part of our Contract. If this scope is to be added to the original CCD the ROM will need to be increased and written direction adding this scope will be required. It does not necessarily need to be a CCC, just something stating that this scope is to be added. Since the work is significant, it will have to go through the submittal process prior to ordering and there will be a lead time for the materials, so there will be a time impact if Kokolakis is directed to procure this scope of work.

Bill Athanasoulis | *Executive Vice President*
Kokolakis Contracting
202 E. Center Street, Tarpon Springs, FL 34689
o:727-942-2211 x108 c:727-243-4701

KOKOLAKIS CONTRACTING

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From: Sean Thornton <sthornton@jkokolakis.com>
Sent: Tuesday, July 8, 2025 5:18 PM
To: Joshua Alexander <joshua.alexander@parsons.com>
Cc: Bill Athanasoulis <bathanasoulis@jkokolakis.com>; Jake Parker <jparker@jkokolakis.com>; Philip Kennedy <PKennedy@JKokolakis.com>; Sebastian Rypien <srypien@jkokolakis.com>; Cameron Champaigne <CChampaigne@JKokolakis.com>
Subject: Asheville ATCT / CCD-004 – Scope Clarification & Directive Request

Hi Josh,
Following up on CCD-004 and the ongoing coordination regarding the MC Dean security drawing changes, we'd like to formally address a significant scope gap that must be resolved to continue progress without disruption.
While work has proceeded since CCD-004 was issued, the directive only covers scope "not set forth in ASI-004," with a specific focus on exterior wall rough-ins. It does not reflect the full extent of work completed to date or the changes required to fully integrate the MC Dean drawings into the Contract Documents.
We've provided AVL and the FAA with Cook & Boardman's re-procurement requirements based on the MC Dean drawings, and their position remains unchanged. We cannot proceed with any door, frame, or hardware modifications or reorders—specifically at Openings #130, #133B, #T101B, #T102B, #T400, #T511B, and #T606—until the scope discrepancy in CCD-004 is addressed.
We respectfully request that AVL issue a revised CCD-004 or directive that fully captures the scope of work resulting from the MC Dean security drawing package, inclusive of all associated impacts. This is necessary to maintain alignment with Contract requirements and to avoid further delay or cost exposure.
We appreciate your prompt direction on this matter.
Thank you,
ST

Sean Thornton, P.E. | *Project Manager*
Kokolakis Contracting
264 West 40th Street, Suite 802, New York, NY 10018
o:212-563-0453 c:215-410-6808

KOKOLAKIS CONTRACTING

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Outlook

Asheville ATCT / CO Approal / CCD-004 Added Doors & Hardware Scope - 95% MC Dean Drawings

From Sean Thornton <sthornton@jkokolakis.com>
Date Fri 7/11/2025 10:42 AM
To Roy Stewart <rstewart@cookandboardman.com>
Cc Bill Athanasoulis <bathanasoulis@JKokolakis.com>; Jake Parker <jparker@JKokolakis.com>; Michael Burton <mburton@jkokolakis.com>; Sebastian Rypien <SRypien@jkokolakis.com>; Cameron Champaigne <CChampaigne@JKokolakis.com>; Robert Romero <rromero@JKokolakis.com>; Philip Kennedy <pKennedy@jkokolakis.com>

1 attachment (84 KB)
Change Order #22.pdf;

Hi Roy,

As discussed, AVL has directed us to proceed with the changes in Contract Scope reflected in your attached change order proposal. As such, Cook & Boardman's Change Order proposal (attached) associated with the added/modified scope associated with the 95% MC Dean Drawings is approved and will be issued to your office promptly.

Please proceed with issuance of the complete submittal package for review and processing, inclusive of all materials, equipment, and systems impacted by this scope revision.

Let us know if you have any questions.

Best regards,
Sean

Sean Thornton, P.E. | *Project Manager*
Kokolakis Contracting
264 West 40th Street, Suite 802, New York, NY 10018
o:212-563-0453 c:215-410-6808
KOKOLAKIS CONTRACTING

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KOKOLAKIS CONTRACTING
FORGING RELATIONSHIPS ANOTHER 50 YEARS

integrity@jkokolakis.com
jkokolakis.com

September 12, 2025

Josh Alexander
ATCT Project Manager – Parsons Transportation Group
146 Westfeldt Dr.
Fletcher, NC 28732

Project: Greater Asheville Regional Airport Authority ATCT & TRACON
Asheville, NC

SUBJECT: Change Order Request (COR)#046 – Impacts from RFI#254 Design Conflicts

Mr. Alexander,

Kokolakis Contracting submits a lump sum proposal for the above referenced Change Order Request No**#046** for the sum of **$118,865.54.** Enclosed herein you will find Kokolakis Contracting's itemized cost proposal which encompasses the additional costs for the modifications related to RFI#254 and extended General Conditions for adding 77 Calendar Days to the project schedule final completion date (August 151, 2025).

Enclosed is a detailed fragnet models the suspension of all exterior construction activities at the Air Traffic Control Tower, from the cab level to the roof parapet, specifically related to the exterior framing scope. The suspension resulted from a material design deficiency in the Contract Drawings.

The originally issued structural and architectural drawings contained conflicting dimensions and bracing details, rendering the exterior framing design unconstructible. The conflict, primarily involving superstructure bracing at the tower cab level, was formally identified on March 28, 2025.

Until resolution was provided by the design team, all related work on the critical path was suspended. The unresolved design conflict halted progress on multiple interdependent activities, including:

- Exterior framing installation
- Mechanical, Electrical, and Plumbing (MEP) infrastructure and distribution
- RFI development and response
- Resubmittal of shop drawings and review cycles
- Roofing system installation and full tower dry-in

This issue created a full bottleneck in ATC tower progress, resulting in a day-for-day delay to all downstream construction, including weather-sensitive trades and critical milestones required for substantial completion and AVL turnover.

Critical Path Impact:
The inability to proceed with exterior enclosure delayed the start, progress, and finish of multiple trades critical to the dry-in and commissioning of the ATC tower. The delay impacted not only physical construction activities but also the administrative processes required to maintain workflow continuity and inspection readiness.

The attached fragnet diagram illustrates the full scope of these impacts and the direct correlation between the

design resolution timeline and delays to both the weatherproofing and turnover schedule.

Summary:
Given the scope's position directly on the primary critical path, the delay between March 28, 2025, and the issuance of revised exterior framing documents constitutes a material impact to the overall project schedule. The accompanying cost proposal reflects all associated impacts, including labor, materials, overhead, and time-related General Conditions.

Please review the enclosed documentation and advise of next steps. We remain available to meet and review this proposal in further detail at your convenience.

Kindly issue a change order to incorporate the revisions enclosed. Should you have any questions, please do not hesitate to contact me directly at (215) 410-6808.

Respectfully,

KOKOLAKIS CONTRACTING, INC.



Sean Thornton, P.E.
Project Manager
Cc: Field / File

COST PROPOSAL BREAKDOWN SHEET
KC-245- Asheville Regional Airport New ATCT & Base Building

KOKOLAKIS PROPOSAL # **COR #046 rev.2**
TITLE **COR #046 - RFI #254: 16ga CFMF Exterior Framing Conflict with Structure**
DATE **12-Sep-25**
DAYS ADDED: **77**

Description of Work	Material Quantity	Unit Cost	Per	Total Material	Non Compens. Days	Approved Compens. Days	Daily Rate	Total Labor	Total Cost
Design Conflict with Cab Parapet Framing.									
Kokolakis Self Perform									
Kokolakis Extended General Conditions (18 Days)				-	59	**18**	**5,193.30**		**93,479.40**
				-					
Sub-Total				**-**				**-**	**93,479.40**
Subcontracted									
United Painting Services, Inc.									
RFQ#1 / PCO 47 / RFI#254 - Changes to Exterior Metal Framing at Cab Elevation + Engineering Fees				-				-	$ 11,802.95
Sub-Total				**-**				**-**	**11,802.95**
TOTAL DIRECT COST									**105,282.35**
Kokolakis OH@	10.00%								1,180.30
Kokolakis Profit @	10.00%								10,646.26
Bond Rate	1.50%								1,756.63
TOTAL PROPOSAL									**118,865.54**

COST PROPOSAL BREAKDOWN SHEET
KC-245- Asheville Regional Airport New ATCT & Base Building

KOKOLAKIS PROPOSAL # COR #046 rev.1

TITLE COR #046 - RFI #254: 16ga CFMF Exterior Framing Conflict with Structure

DATE 04-Sep-25

SUPERSEDED

Description of Work	Material Quantity	Unit Cost	Per	Total Material	Total Days	Daily Rate	Total Labor	Total Cost
Design Conflict with Cab Parapet Framing.								
Kokolakis Self Perform								
Kokolakis Extended General Conditions (77 Days)				-	77	10,697.50		823,707.42
				-				
Sub-Total				-			-	**823,707.42**
Subcontracted								
United Painting Services, Inc.								
RFQ#1 / PCO 47 / RFI#254 - Changes to Exterior Metal Framing at Cab Elevation + Engineering Fees				-			-	$ 11,802.95
Sub-Total				-			-	**11,802.95**
TOTAL DIRECT COST								**835,510.37**
Kokolakis OH@	10.00%							83,551.04
								(82,370.74)
Kokolakis Profit @	10.00%							83,669.07
Bond Rate	1.50%							13,805.40
TOTAL PROPOSAL								**934,165.13**

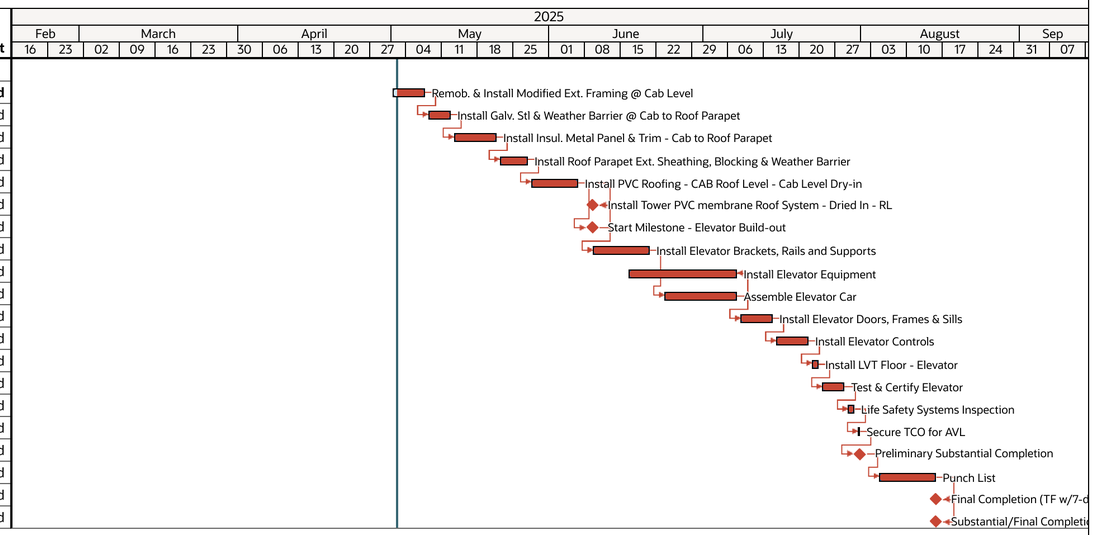
Appendix B: Critical Path Report



GREATER ASHEVILLE REGIONAL AIRPORT AUTHORITY ATCT & TRACON

146 Westfield Rd, Mills River, NC 28732

	ID	Name	Planned Duration	Unimpacted Start	Actual Start	Start	Unimpacted Finish	Actual Finish	Finish	Total Float
1	245-22-25	Asheville Regional Airport Authority - ATCT & TRACON								
2	**TIA-R254-070**	**Remob. & Install Modified Ext. Framing @ Cab Level**	**5d**	**14-Feb-25**	**01-May-25...**	**01-May-25 A**	**20-Feb-25**		**07-May-25**	**-54d**
3	TIA-R254-080	Install Galv. Stl & Weather Barrier @ Cab to Roof Parapet	3d	21-Feb-25		08-May-25	25-Feb-25		12-May-25	-54d
4	TIA-R254-090	Install Insul. Metal Panel & Trim - Cab to Roof Parapet	7d	26-Feb-25		13-May-25	06-Mar-25		21-May-25	-54d
5	TIA-R254-100	Install Roof Parapet Ext. Sheathing, Blocking & Weather Barrier	3d	07-Mar-25		22-May-25	11-Mar-25		27-May-25	-54d
6	TIA-R254-Dry-in	Install PVC Roofing - CAB Roof Level - Cab Level Dry-in	8d	12-Mar-25		28-May-25	21-Mar-25		06-Jun-25	-54d
7	AT-30010M	Install Tower PVC membrane Roof System - Dried In - RL	0d	24-Mar-25		09-Jun-25				-54d
8	TIA-R254-ELEV	Start Milestone - Elevator Build-out	0d	24-Mar-25		09-Jun-25				-54d
9	AT-50115	Install Elevator Brackets, Rails and Supports	10d	24-Mar-25		09-Jun-25	04-Apr-25		20-Jun-25	-54d
10	AT-50120	Install Elevator Equipment	15d	31-Mar-25		16-Jun-25	18-Apr-25		07-Jul-25	-54d
11	AT-50130	Assemble Elevator Car	10d	07-Apr-25		23-Jun-25	18-Apr-25		07-Jul-25	-54d
12	AT-50135	Install Elevator Doors, Frames & Sills	5d	21-Apr-25		08-Jul-25	25-Apr-25		14-Jul-25	-54d
13	AT-50125	Install Elevator Controls	5d	28-Apr-25		15-Jul-25	02-May-25		21-Jul-25	-54d
14	AT-50145	Install LVT Floor - Elevator	2d	05-May-25		22-Jul-25	06-May-25		23-Jul-25	-54d
15	AT-50150	Test & Certify Elevator	3d	07-May-25		24-Jul-25	09-May-25		28-Jul-25	-54d
16	BB-41767	Life Safety Systems Inspection	2d	12-May-25		29-Jul-25	13-May-25		30-Jul-25	-54d
17	TC-00-1000	Secure TCO for AVL	1d	14-May-25		31-Jul-25	14-May-25		31-Jul-25	-54d
18	TC-00-1010	Preliminary Substantial Completion	0d				14-May-25		31-Jul-25	-54d
19	RZ-00-1040	Punch List	10d	16-May-25		04-Aug-25	30-May-25		15-Aug-25	-54d
20	TC-00-1040	Final Completion (TF w/7-day Calendar)	0d				30-May-25		15-Aug-25	-77d
21	TC-00-1030	Substantial/Final Completion	0d				30-May-25		15-Aug-25	-54d



Schedule Update #45 (data date 01-May-2025)
Critical Path Report

Current
Progress
Critical
Milestones
Summary

Data Date: 01-May-25

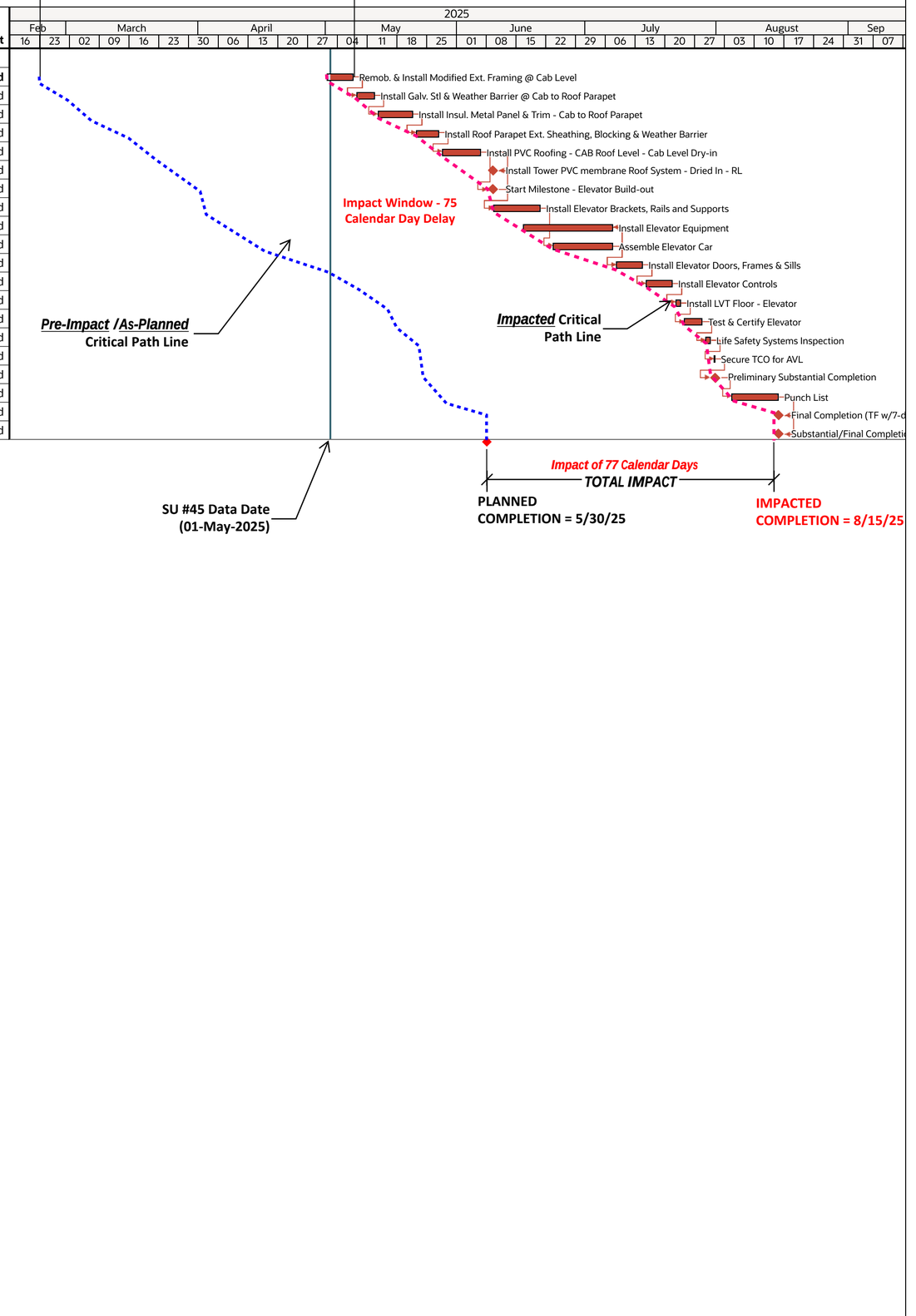
Appendix C: Time Impact Analysis – Fragnet Modeling of Impacts



GREATER ASHEVILLE REGIONAL AIRPORT AUTHORITY ATCT & TRACON

146 Westfield Rd, Mills River, NC 28732

	ID	Name	Planned Duration	Pre-Impact Start	Actual Start	Start	Unimpacted Finish	Actual Finish	Finish	Total Float
1	245-22-25	Asheville Regional Airport Authority - ATCT & TRACON								
2	**TIA-R254-070**	**Remob. & Install Modified Ext. Framing @ Cab Level**	**5d**		**01-May-25...**	**01-May-25 A**	**20-Feb-25**		**07-May-25**	**-54d**
3	TIA-R254-080	Install Galv. Stl & Weather Barrier @ Cab to Roof Parapet	3d	21-Feb-25		08-May-25	25-Feb-25		12-May-25	-54d
4	TIA-R254-090	Install Insul. Metal Panel & Trim - Cab to Roof Parapet	7d	26-Feb-25		13-May-25			21-May-25	-54d
5	TIA-R254-100	Install Roof Parapet Ext. Sheathing, Blocking & Weather Barrier	3d	07-Mar-25		22-May-25	Pre-Impact Finish		27-May-25	-54d
6	TIA-R254-Dry-in	Install PVC Roofing - CAB Roof Level - Cab Level Dry-in	8d	12-Mar-25		28-May-25	21-Mar-25		06-Jun-25	-54d
7	AT-30010M	Install Tower PVC membrane Roof System - Dried In - RL	0d	24-Mar-25		09-Jun-25				-54d
8	TIA-R254-ELEV	Start Milestone - Elevator Build-out	0d	24-Mar-25		09-Jun-25				-54d
9	AT-50115	Install Elevator Brackets, Rails and Supports	10d	24-Mar-25		09-Jun-25	04-Apr-25		20-Jun-25	-54d
10	AT-50120	Install Elevator Equipment	15d	31-Mar-25		16-Jun-25	18-Apr-25		07-Jul-25	-54d
11	AT-50130	Assemble Elevator Car	10d	07-Apr-25		23-Jun-25	18-Apr-25		07-Jul-25	-54d
12	AT-50135	Install Elevator Doors, Frames & Sills	5d	21-Apr-25		08-Jul-25	25-Apr-25		14-Jul-25	-54d
13	AT-50125	Install Elevator Controls	5d	28-Apr-25		15-Jul-25	02-May-25		21-Jul-25	-54d
14	AT-50145	Install LVT Floor - Elevator	2d	05-May-25		22-Jul-25	06-May-25		23-Jul-25	-54d
15	AT-50150	Test & Certify Elevator	3d	07-May-25		24-Jul-25	09-May-25		28-Jul-25	-54d
16	BB-41767	Life Safety Systems Inspection	2d	12-May-25		29-Jul-25	13-May-25		30-Jul-25	-54d
17	TC-00-1000	Secure TCO for AVL	1d	14-May-25		31-Jul-25	14-May-25		31-Jul-25	-54d
18	TC-00-1010	Preliminary Substantial Completion	0d				14-May-25		31-Jul-25	-54d
19	RZ-00-1040	Punch List	10d	16-May-25		04-Aug-25	30-May-25		15-Aug-25	-54d
20	TC-00-1040	Final Completion (TF w/7-day Calendar)	0d				30-May-25		15-Aug-25	-77d
21	TC-00-1030	Substantial/Final Completion	0d				30-May-25		15-Aug-25	-54d



Schedule Update #45 (data date 01-May-2025)

Critical Path Analysis & Fragnet Model

Current
Progress
Critical
Milestones
Summary

Data Date: 01-May-25

Invoice # 3052766	Page 1 of 1
ACCOUNT NUMBER	DATE
JKOKOLA-01	4/14/2025
BALANCE DUE ON	AGENCY CODE
5/18/2025	200
AMOUNT PAID	AMOUNT DUE
	$10,800.00

Palm Beach-Alliant Insurance Services, Inc.
Alliant Insurance Services, Inc.
PO Box 744912
Los Angeles, CA 90074 - 4912

J. Kokolakis Contracting, Inc.

invoices@jkokolakis.com
202 E. Center Street
Tarpon Springs, FL 34689

Pay your invoice using Alliant Bill Pay

https://billpay.alliant.com

Insured Payment Information Only

Client: J. Kokolakis Contracting, Inc.
Policy Number: CRT691270100
Insurance Carrier: Zurich American Insurance Company

Policy: Builders Risk
Effective: 3/15/2023 to 7/18/2025

Item #	Trans Eff Date	Due Date	Trans	Description	Amount
13185439	4/18/2025	5/18/2025	ENDT	Endorsement Premium	$10,800.00
				Total Invoice Balance:	**$10,800.00**

Asheville ATCT Project Builder's Risk Policy - Endorsement #2, Policy Extension to July 18, 2025 and Increase Limits and Deductibles.

PLEASE MAIL A COPY OF THIS INVOICE WITH PAYMENT AND/OR INCLUDE CLIENT ACCOUNT NUMBER/INV#/POLICY#
ACH/Wire Reference: Include your ten-digit Client Account Number and Invoice Number (both can be found in the top right of this invoice). E-mail remittances to AccountsReceivable@alliant.com

REMITTANCE ADDRESS

AIS Trust Account
P.O. Box 744912
Los Angeles, CA 90074 - 4912

OVERNIGHT/COURIER ADDRESS

Bank of America Lockbox Services
Lockbox 744912
2706 Media Center Drive
Los Angeles, CA 90065-1733

ACH/WIRE PAYMENTS

Bank of America, N.A.
18100 Von Karman Avenue, Suite 1000
Irvine, CA 92612

Alliant Insurance Services, Inc. Trust Account

ACH Routing Number: 122000661
Wire Routing Number: 026009593
SWIFT: BOFAUS3N (US Domestic), BOFAUS6S (Foreign Currency)
Account Number: 001453355421

Pay your invoice online. Alliant Connect accepts electronic funds transfer (EFT) from a checking or savings account. Contact your Alliant service team to learn more.

IMPORTANT NOTICE: The Nonadmitted & Reinsurance reform act (NRRA) went into effect July 21, 2011. Accordingly, surplus lines tax rates and regulations are subject to change which could result in an increase or decrease of the total surplus lines taxes and/or fees owed on this placement. If a change is required, we will promptly notify you. Any additional taxes and/or fees due must be promptly remitted to Alliant Insurance Services, Inc.

IMPORTANT NOTICE: The Foreign Account Tax Compliance Act (FATCA) requires the notification of certain financial accounts to the United States Internal Revenue Service. Alliant does not provide tax advice. Please contact your tax consultant for your obligations regarding FATCA.

Alliant embraces a policy of transparency with respect to its compensation from insurance transactions. Details on our compensation policy, including the types of income Alliant may earn on a placement, are available at www.alliant.com. For a copy of our policy or for inquiries regarding compensation issues pertaining to your account contact: Alliant Insurance Services, Inc., Attn: General Counsel, 701 B St., 6th Floor, San Diego, CA 92101.

CHANGE ORDER REQUEST

14

Title: RFI-254 - Changes to Cab Exterior Framing w/Delegated Design
Project Name: AVL ATCT
Project Address: 146 Westfeldt Road
Fletcher, NC 28732
COR Date: 04/23/2024
United Painting Services, Inc Job Number: 2365_NC
Customer Job Number: KC-0245-22
Customer Reference Number: RFI 254

Our Information

United Painting Services, Inc
2807 Chamber Drive
Monroe, NC 28110
Phone: (704)-684-0357

Customer Information

Kokolakis Contracting
202 East Center Street
Tarpon Springs, FL 34689

Description of Change Order Request

COR for Cab Level Framing changes at Control Tower based on RFI proposed solution, includes

- Delegated Design/Engineering Stamped updates to drawings. Changes noted in RFI 254 as proposed solution. Use of existing SIMPSON FCB45.5 Clips /Studs. Adding Studs, Track, Screws, Shots/Pins only. If changes are made to engineering / design an updated COR will be sent for changes in material and labor
- Premium Time for one day of weekend work included for preferential use of Scaffold space.
- Work includes use of erected scaffold, no additional equipment rentals are included in this quote.

Labor

Description	Qty (HR)	Unit (HR)	Rate (HR)	Total Cost
Foreman-DW	10.00	ST	$55.00	$550.00
Mechanic-DW (Regular Time)	60.00	ST	$45.00	$2,700.00
Mechanic-DW (Premium Time)	16.00	OT	$67.50	$1,080.00
Hours Subtotals: ST: 70.00 **OT:** 16.00			**Total Labor:**	**$4,330.00**

Material

Description	Qty of Material	Unit of Measure	Rate	Total Cost
Shots & Pins	1.00	each	$155.00	$155.00
Screws	1.00	each	$100.00	$100.00
Track & Studs	1.00	each	$1,770.80	$1,770.80
			Total Material:	**$2,025.80**

Other

Description	Qty of Other	Unit of Measure	Rate	Total Cost
Material Handling (New Material up to Cab Level)	1.00	Each	$500.00	$500.00
Engineering (Delegated Design - Shop Drawing Resubmittal)	1.00	Each	$2,795.00	$2,795.00
			Total Other:	**$3,295.00**

POWERED BY CLEARSTORY

Subtotal		**$9,650.80**
Contingency / Material Waste (Materials)	18.000%	$364.64
Tax Rate (Materials)	7.250%	$146.87
Mark Up Rate (Subtotal)	15.000%	$1,447.62
Bond (Subtotal)	2.000%	$193.02
Requested Total		**$11,802.95**

Terms & Conditions

POWERED BY CLEARSTORY

Asheville ATCT Facility: RFQ #001 - Owner PCO No. 47 - RFI #254 Design Team Response, Exterior Metal Framing at Cab - Request for Pricing - RF#254 - United Painting ... DUE 2025-04-29

From: Sean Thornton (Kokolakis Contracting)
J_Kokolakis_Contracting_Inc@procoretech.com
To: Tara Durden Tara@unitedpaintingservices.com
Date: Tue, Apr 22, 2025, 4:26 PM

Asheville ATCT Facility

More details: View online

DO NOT REPLY TO THIS EMAIL. This is a notification sent from an unmonitored email address.

You have been sent a Request for Quote by Kokolakis Contracting.

Request for Quote Details

Title:	**Owner PCO No. 47 - RFI #254 Design Team Response, Exterior Metal Framing at Cab**
Requested By:	**Sean Thornton (Kokolakis Contracting)**
Quote Due Date:	**04/29/25**
Origin:	**RFI #254: 16ga CFMF Exterior Framing Conflict with Structure (Critical)**

REQUEST FOR QUOTE DOCUMENTS

RFI#254 - CFMF Design Conflict with Structural.pdf

REQUEST FOR QUOTE INFORMATION

Owner PCO #47 - RFI #254 Changes to Exterior Metal Framing at Cab Elevation

Potential Owner Change Order #47 Summary: ATC Tower Exterior Framing Layout Modification (RFI #254 Response)

Overview:

This pending Owner Change Order is the result of design issues identified in **RFI #254**, specifically relating to the layout of exterior metal framing from approximately Elev. 100'-0" up to the cab roof parapet. This owner change summary captures the added scope required to resolve uncoordinated conditions between the Architectural and Structural Contract Documents.

Please review the changes included in RFI #254 and submit a change order proposal for all associated adds and deducts to Kokolakis by no later than **April 29, 2025.**

SCOPE OF THIS REQUEST FOR QUOTE

Request for Pricing - RF#254 - United Painting Services

Do you have a cost or schedule impact associated with this scope?

Yes **No**

HOW TO SUBMIT A QUOTE

You must be logged in to Procore to submit a quote

Submit your quote

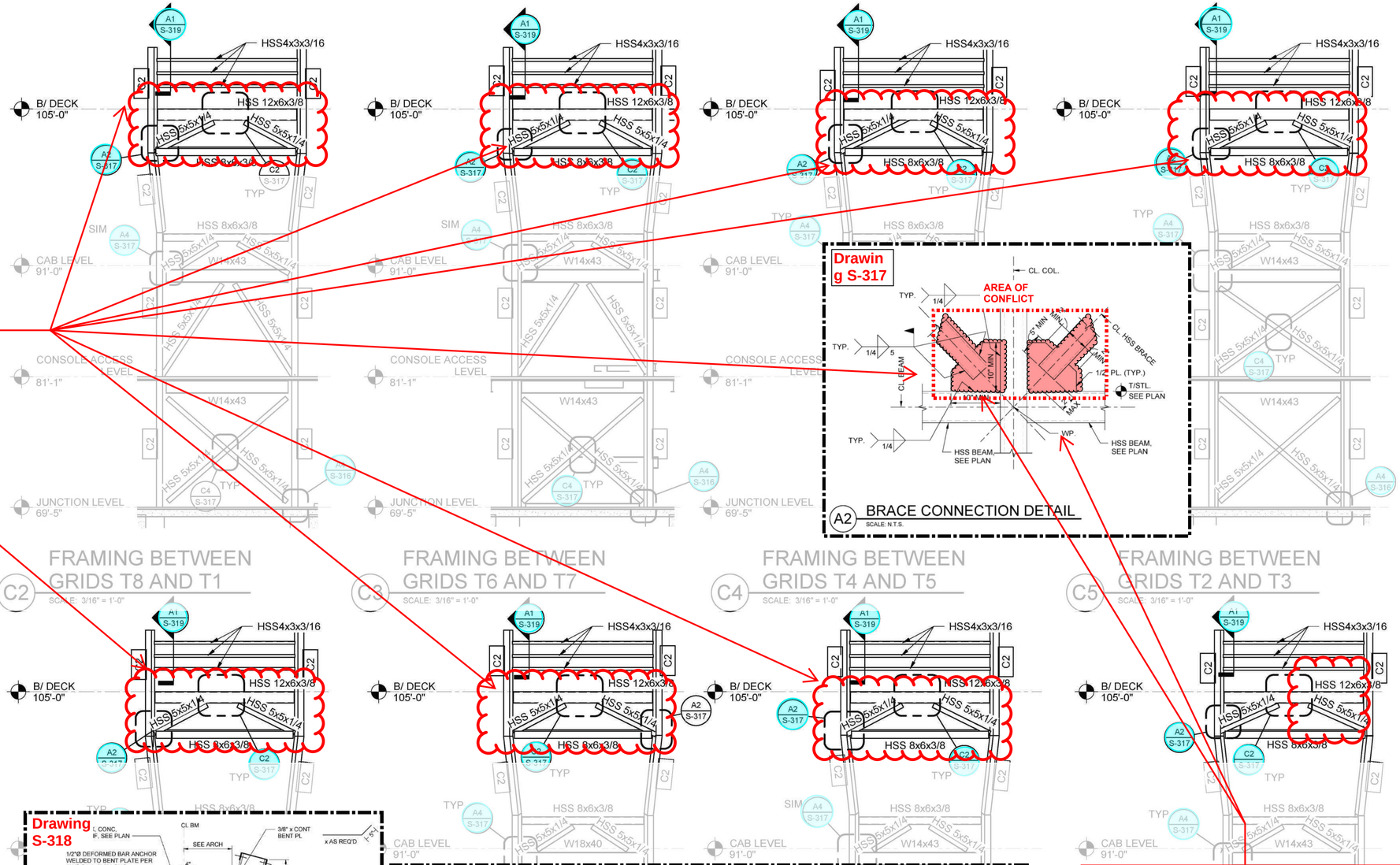
More details: View online

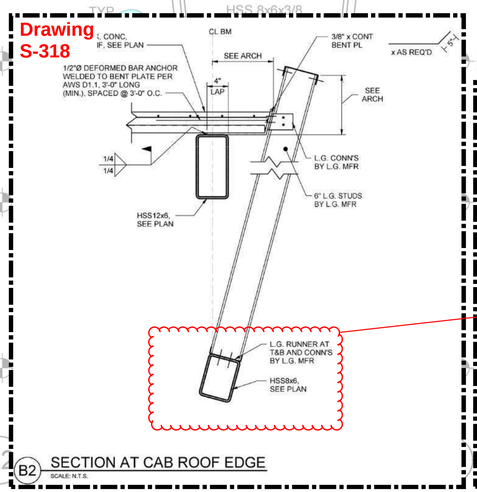
Powered By Procore I support@procore.com I https://support.procore.com

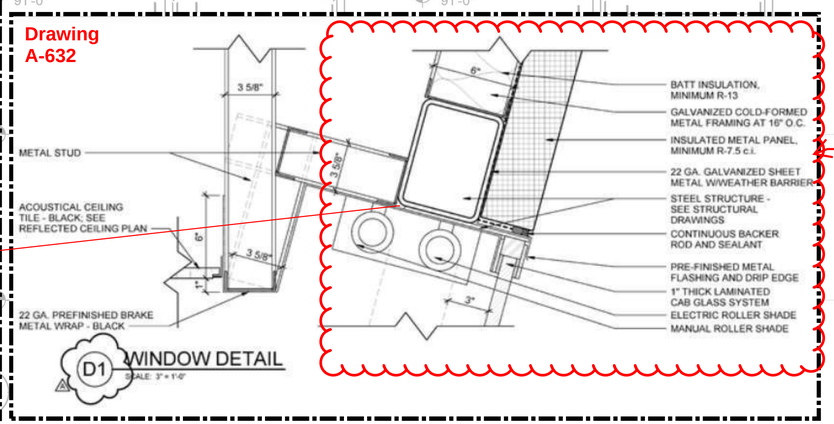
RFI#254 4/7/25

DESIGN STRUCTURAL STEEL BRACED FRAMES CONFLICTING WITH DRAWING A-361 / DET. A4; DRAWING A632 / DET. D1

NOTE:
C2= HSS9x7x5/8







GUSSET PLATES AND TUBE STEEL BRACING EXTEND BEYOND THE EXTERIOR METAL FRAMING LINE INDICATED IN THE CONTRACT DOCUMENTS, RESULTING IN CONFLICTS AT ALL 8 BAYS. DETAILS ON DRAWINGS S-317, S-318, AND A-632 AND ARE NOT BUILDABLE AS CURRENTLY SHOWN.

POND
3500 Parkway Lane
Suite 500
Peachtree Corners
Georgia 30092

EOR/AOR SEAL



12-21-2022

COA STAMP



CLIENT INFORMATION

Asheville REGIONAL AIRPORT

PROJECT NAME

GREATER ASHEVILLE REGIONAL AIRPORT AUTHORITY ATCT & TRACON

146 Westfeldt Rd,
Mills River, NC 28732

DRAWING ISSUE

MARK	ISSUED FOR CONSTRUCTION DESCRIPTION	DATE
A	ISSUED FOR CONSTRUCTION	12/21/2022

DESIGNED BY:	WPH
DRAWN BY:	PJE
CHECKED BY:	DAG
SUBMITTED BY:	RCJ
DATE:	21 DECEMBER 2022
PROJECT #:	1210250

SHEET TITLE

ATCT FRAMING ELEVATIONS

SENSITIVE SECURITY INFORMATION
CONTROLLED UNDER 49 CFR PARTS 15 AND 1520.

SHEET NUMBER

S-211

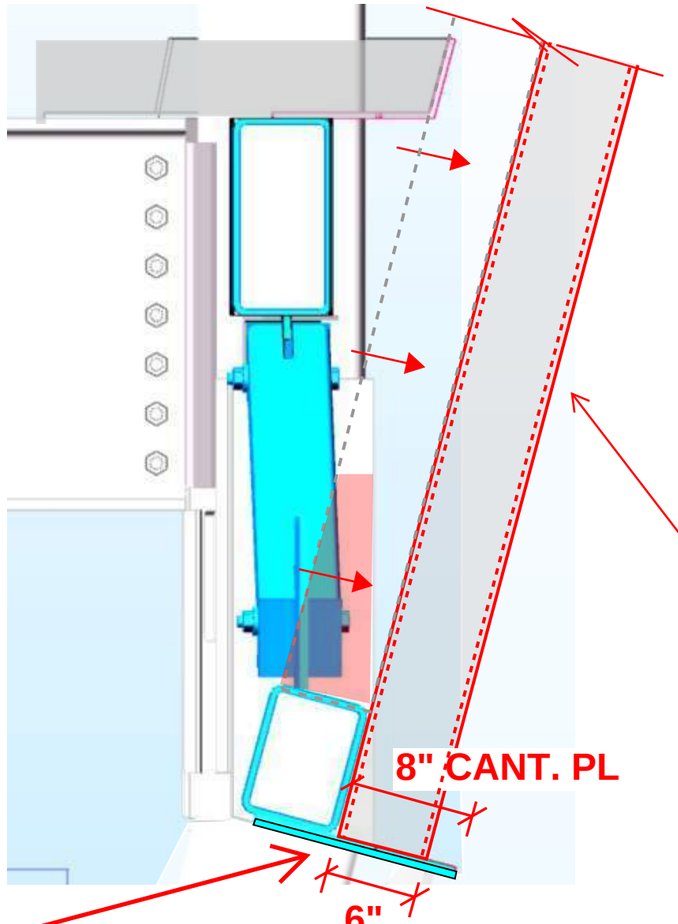
ORIGINAL SHEET SIZE:
22" X 34"

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ISSUED FOR CONSTRUCTION

12/22/2022 11:26:47 AM BIM 360://1210250 AVL ATCT-TRACON/1210250_AVL ATCT-TRACON_STRC_v21.rvt

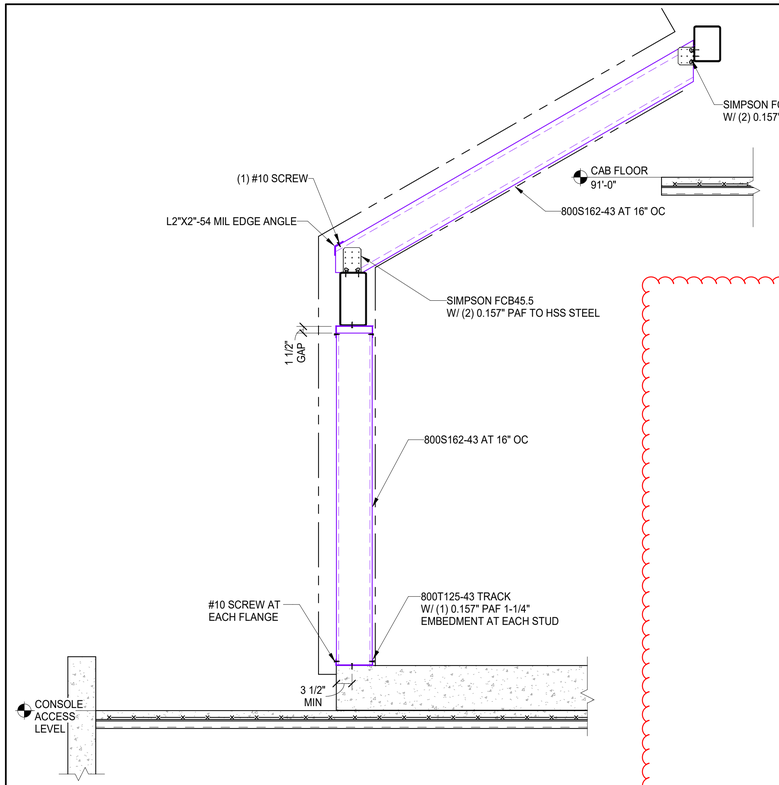




PROPOSED SOLUTION: The plate welded beneath the HSS 8x6 cantilevers 8-in passed the right face of the HSS, allowing for the metal stud framing to be installed at the line shown in the 3d model markup depicted. Please review and confirm relocating the 16ga exterior metal framing to above the plate, as depicted, is acceptable. Please also confirm the simpson PAF extended connections are acceptable where the stud framing meets the bent plate slab edge. See photo on the right for layout on site of proposed solution.



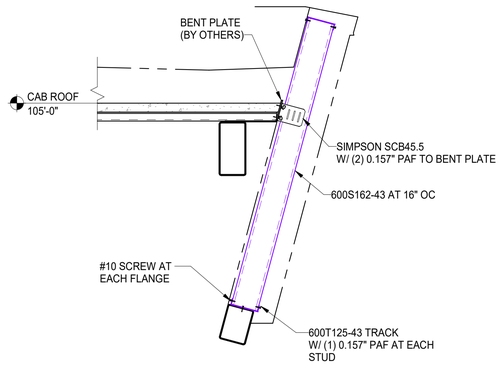
RFI 254



CFS WALL AND RAFTER AT CONSOLE ACCESS LEVEL

STRUCTURAL REF:
ARCHITECTURAL REF: A1/A-361

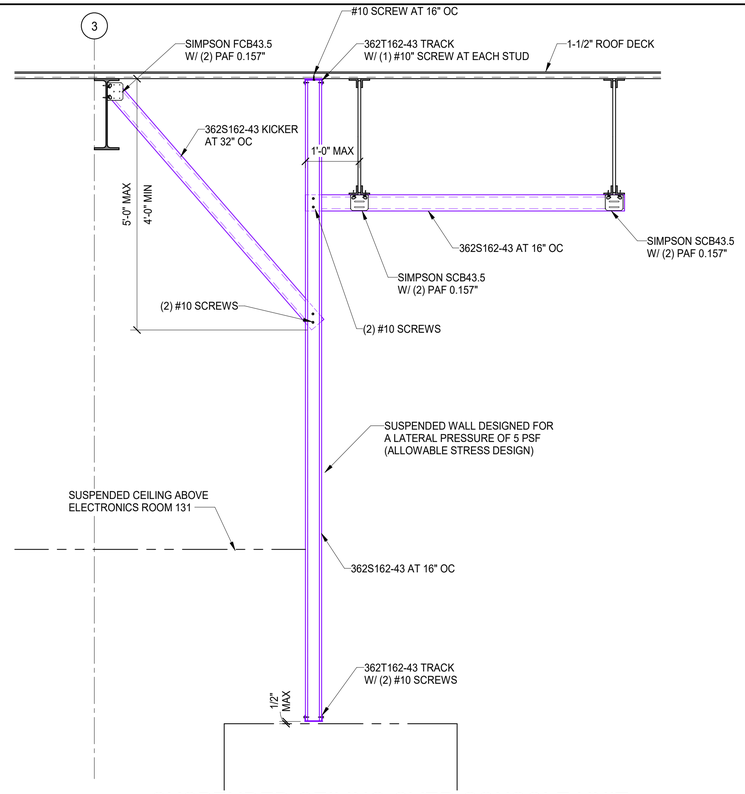
SECTION 1 — CF-2 | CF-3
3/4" = 1'-0"



CAB ENCLOSURE

STRUCTURAL REFERENCE: B2/S-318
ARCHITECTURAL REFERENCE: A4/A-361

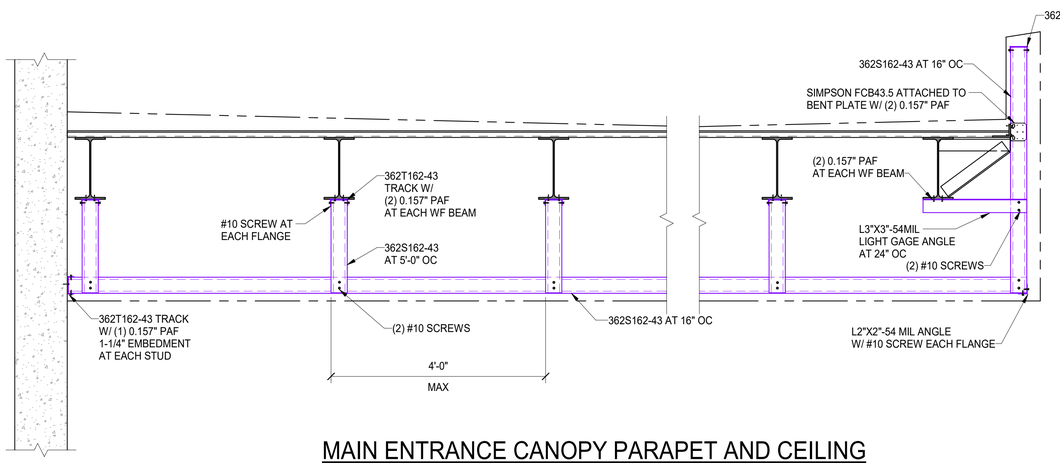
SECTION 2 — CF-2 | CF-3
3/4" = 1'-0"



SUSPENDED CEILING OVER CONSOLE UNIT

ARCHITECTURAL REFERENCE: A4/A-353

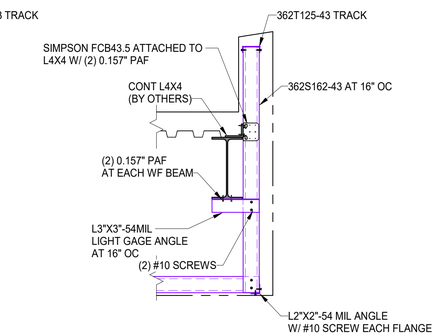
SECTION 3 — CF-2 | CF-3
3/4" = 1'-0"



MAIN ENTRANCE CANOPY PARAPET AND CEILING

STRUCTURAL REFERENCE: A4/S-204
ARCHITECTURAL REFERENCE: A3/A-351

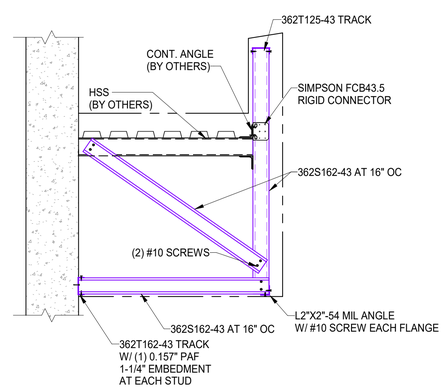
SECTION 4 — CF-2 | CF-3
3/4" = 1'-0"



MAIN ENTRANCE CANOPY PARAPET

STRUCTURAL REFERENCE: C4/S-204
ARCHITECTURAL REFERENCE: C3/A-512

SECTION 5 — CF-2 | CF-3
3/4" = 1'-0"



MAIN ENTRANCE CANOPY PARAPET

STRUCTURAL REFERENCE: A1/S-204
ARCHITECTURAL REFERENCE: A3/A-512

SECTION 6 — CF-2 | CF-3
3/4" = 1'-0"

DUNBAR
110 THIRD STREET NE
CHARLOTTESVILLE, VIRGINIA 22902
(434) 293-5171 | WWW.DUNBARSTRUCTURAL.COM

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL
030216
02-09-24
STEPHEN D. BARBER

GREATER ASHEVILLE
REGIONAL AIRPORT
AUTHORITY ATCT &
TRACON

ASHEVILLE
REGIONAL AIRPORT

146 WESTFELDT RD.
MILLS RIVER, NC 28732

REVISIONS:

No.	DATE	DESCRIPTION

PROJECT NUMBER:
2308-32
ISSUE DATE:
02.09.2024

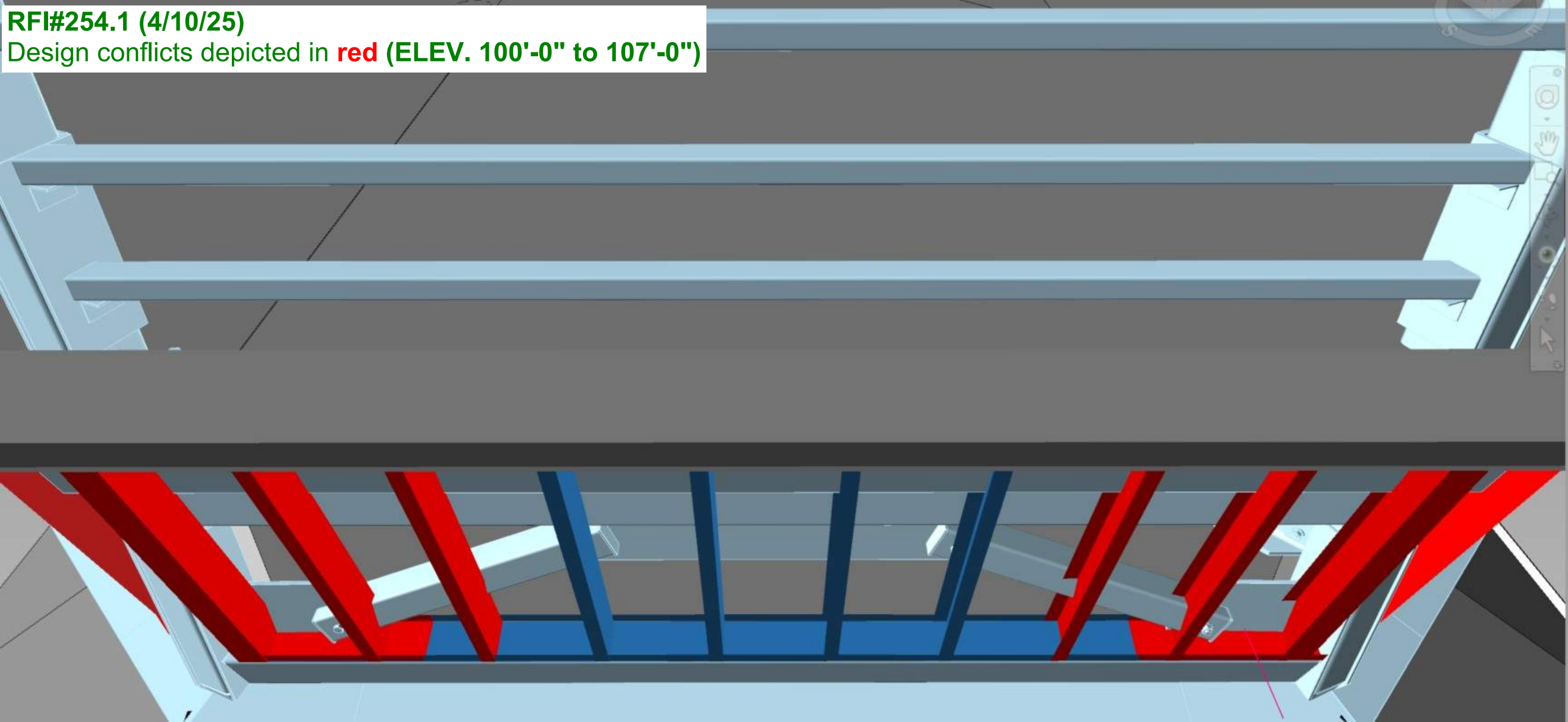
WALL AND CANOPY
DETAILS

CF-3

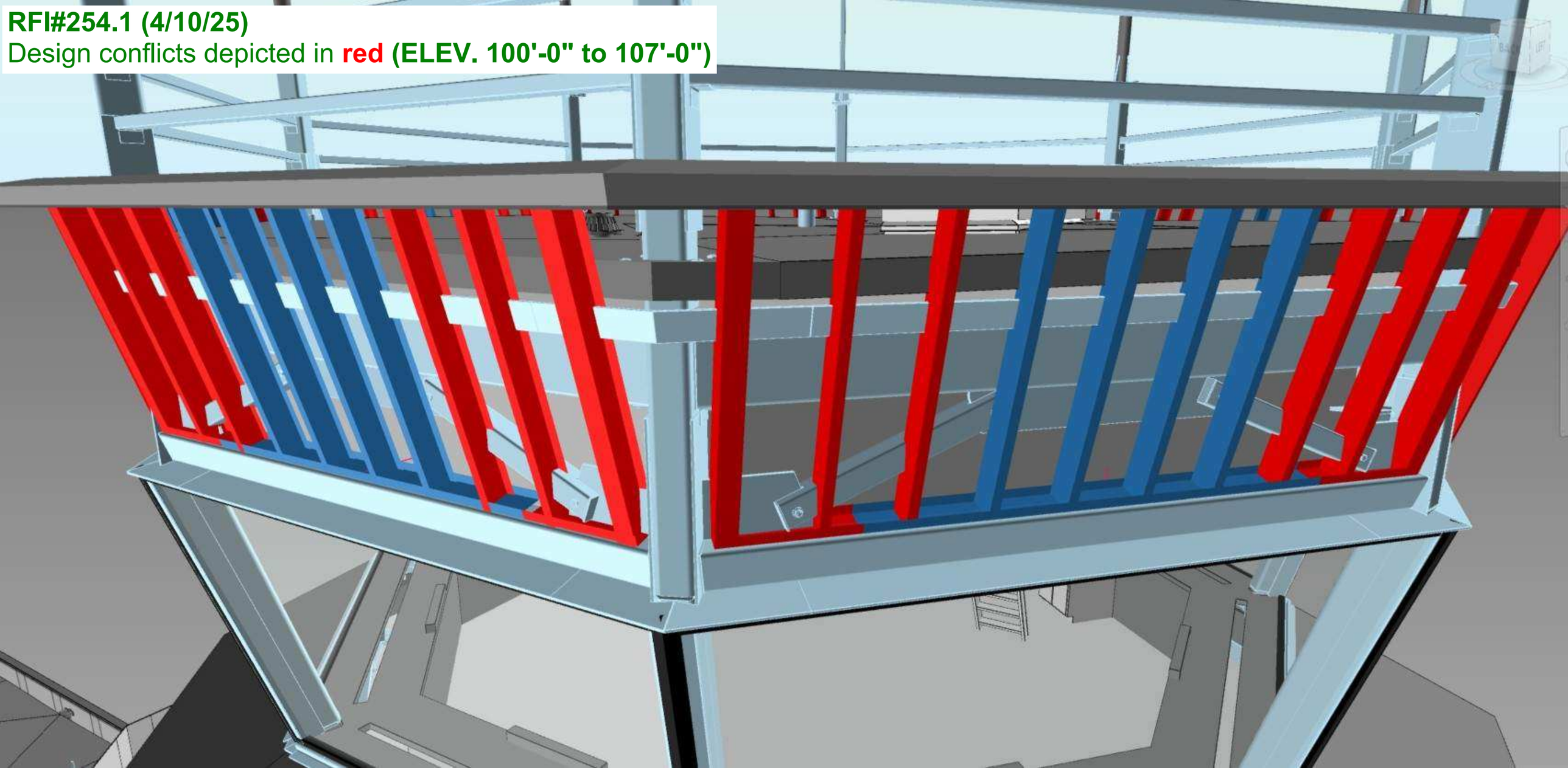
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2/12/2024 4:10:53 PM
FILE PATH:
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RFI#254.1 (4/10/25)
Design conflicts depicted in **red** **(ELEV. 100'-0" to 107'-0")**

RFI#254.1 (4/10/25)
Design conflicts depicted in **red** **(ELEV. 100'-0" to 107'-0")**



RFI#254.1 (4/10/25)
Design conflicts depicted in **red** **(ELEV. 100'-0" to 107'-0")**



RFI#254.1 (4/10/25)

- Insulated Metal Panel conflicts noted above +/- 4" design conflict into the insulated metal panel cross-section **(16 locations impacted)**

- Design conflicts illustrated in red (ELEV. 100'-0" to 107'-0")

KOKOLAKIS CONTRACTING
FORGING RELATIONSHIPS ANOTHER 50 YEARS

integrity@jkokolakis.com
jkokolakis.com

September 12, 2025

Joshua Alexander, CCM
ATCT Project Manager – Parsons Transportation Group
146 Westfeldt Dr.
Fletcher, NC 28732

Project: Greater Asheville Regional Airport Authority ATCT & TRACON
Asheville, NC

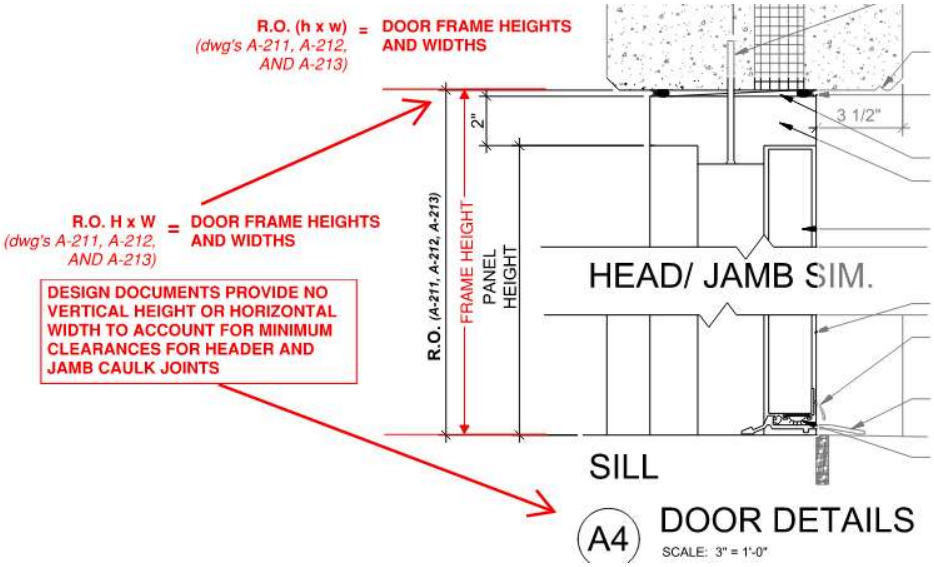
SUBJECT: **Change Order Request (COR) #048 – Exterior R.O. Conflicts – Door Frame Re-procurement & Field Modifications**

Mr. Alexander,

Kokolakis Contracting hereby submits a lump sum proposal in the amount of **$33,908.58** for the enclosed Change Order Request #48.

During installation of exterior hollow metal door frames, it was discovered that the design drawings did not provide any dimensional clearance in the precast rough openings (R.O.). The openings were specified width and heights equivalent to the door frame sizes specified on the Contract Drawings, without allowance for required sealant, grout, and installation tolerances. This design omission prevented frames from being installed as fabricated.

See below illustration clarifying the condition created by this design error/omission:



Corrective Actions Taken

- Field cutting and modification of precast openings to create proper clearance.
- Re-procurement of door frames at corrected dimensions.

- Labor and equipment to re-handle and install the revised frames.

The costs enclosed are solely attributable to design errors in the Contract Documents. This change order represents only the costs incurred by Kokolakis to correct the issues and allow for proper installation of the specified exterior hollow metal door frames. Kokolakis has already incurred these costs to ensure the corrective action was swift, mitigating impacts to the project schedule where possible.

Kindly issue a change order to incorporate the revisions enclosed. Should you have any questions, please do not hesitate to contact me directly at (215) 410-6808.

Respectfully,

KOKOLAKIS CONTRACTING, INC.



Sean Thornton, P.E.
Project Manager
Cc: Field / File

COST PROPOSAL BREAKDOWN SHEET
KC-245- Asheville Regional Airport New ATCT & Base Building

KOKOLAKIS CONTRACTING

OWNER RFP #
KOKOLAKIS PROPOSAL # 048
DESCRIPTION OF WORK Costs Associated with field modifications of exterior precast rough openings (R.O.), and re-procurement of for installation of exterior Hollow Metal Door Frames. Door Openings Impacted: #131B, 133B, 134B, 136B, 137B, 140B, 143B & L101.

TITLE COR#048 - Exterior R.O. Conflict with Installation - Field Modifications & Door Frame Re-procurement at Exterior Walls

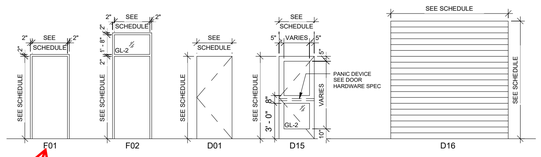
DATE 01-May-25

Description of Work	Material Quantity	Unit Cost	Per	Total Material	Total Man-hours	Labor Rate	Total Labor	Total Cost
Kokolakis Self Perform								
Semi-skilled Labor (handling/prep/clean-up/refuse)		$ -			32.00	$ 26.95	862.40	$ 862.40
		$ -				$ -		$ -
Sub-Total				**$0.00**			**$862.40**	**$862.40**
Subcontracted								
Cook & Boardman								
Hollow Metal Door Frame Re-procurement @ Exterior Precast		$ -		12,441.88		$ -	$ -	12,441.88
Penhall Company								
Precast Cutting/Modification/Adjustment		$ -		$ -		$ -	$ 10,725.00	10,725.00
for HM Frame Conflicts at Precast R.O.'s				$ -		$ -	$ -	$ -
United Painting Services								
Retrofit/Install of exterior HM Frames @ Precast		$ -		$ -		$ -	$ 3,580.20	3,580.20
Sub-Total				**$12,441.88**			**$10,725.00**	**$26,747.08**

TOTAL DIRECT COST		**$27,609.48**
Kokolakis OH@	10.00%	2,760.95
Kokolakis Profit @	10.00%	3,037.04
Bond Rate	1.50%	501.11
TOTAL PROPOSAL		**$33,908.58**

TRACON DOOR SCHEDULE

MARK	PANEL TYPE	PANEL WIDTH	PANEL HEIGHT	PANEL THK.	PANEL MATL.	PANEL FIN.	PANEL GLAZING	FRAME TYPE	FRAME MATL.	FRAME FIN.	DETAILS SILL	DETAILS JAMB	DETAILS HEAD	FIRE RATING	STC RATING	HARDWARE	REMARKS
101A	(PR) D15	6' - 0"	8' - 0"	2"	ALUM.	ANOD.	GL-2	-	ALUM.	ANOD.	A5/A-601	A5/A-601	A5/A-601	-	-	AL-01	
101B	(PR) D15	3' - 0"	8' - 0"	1 3/4"	H.M.	PT	GL-2	F01	H.M.	PT	A1/A-602	A1/A-602	A1/A-602	-	-	AL-02	PANIC HARDWARE - SEE DOOR HARDWARE SPEC
105	D01	3' - 0"	7' - 0"	1 3/4"	SCW	ST.	-	F01	H.M.	PT	A1/A-602	A1/A-602	A1/A-602	-	-	P-03	
106A	D01	3' - 0"	7' - 0"	1 3/4"	SCW	ST.	-	F01	H.M.	PT	A1/A-602	A1/A-602	A1/A-602	-	-	P-02	
106B	D15	3' - 9"	7' - 11"	1 3/4"	H.M.	PT	GL-2	-	H.M.	PT	A3/A-601	A3/A-601	A3/A-601	-	-	C-03	
107	D01	3' - 0"	7' - 0"	1 3/4"	SCW	ST.	-	F01	H.M.	PT	A2/A-602	A2/A-602	A2/A-602	-	50	P-01	
108A	D01	3' - 0"	7' - 0"	1 3/4"	SCW	ST.	-	F01	H.M.	PT	A1/A-602	A1/A-602	A1/A-602	-	-	P-02	
108B	D01	3' - 0"	7' - 0"	1 3/4"	SCW	ST.	-	F01	H.M.	PT	A1/A-602	A1/A-602	A1/A-602	-	-	P-03	
109A	D01	3' - 0"	7' - 0"	1 3/4"	SCW	ST.	-	F01	H.M.	PT	A1/A-602	A1/A-602	A1/A-602	-	-	P-02	
109B	D01	3' - 0"	7' - 0"	1 3/4"	SCW	ST.	-	F01	H.M.	PT	A1/A-602	A1/A-602	A1/A-602	-	-	P-03	
110	D01	3' - 0"	7' - 0"	1 3/4"	SCW	ST.	-	F01	H.M.	PT	A1/A-602	A1/A-602	A1/A-602	-	-	S-03	
114	D01	3' - 0"	7' - 0"	1 3/4"	SCW	ST.	-	F01	H.M.	PT	A1/A-602	A1/A-602	A1/A-602	-	45	M-02	
115	D01	3' - 0"	7' - 0"	1 3/4"	SCW	ST.	-	F01	H.M.	PT	A1/A-602	A1/A-602	A1/A-602	-	45	M-03	
116	D01	3' - 0"	7' - 0"	1 3/4"	SCW	ST.	-	F01	H.M.	PT	A1/A-602	A1/A-602	A1/A-602	-	45	M-03	
117	D01	3' - 0"	7' - 0"	1 3/4"	SCW	ST.	-	F01	H.M.	PT	A1/A-602	A1/A-602	A1/A-602	-	45	M-03	
118	D01	3' - 0"	7' - 0"	1 3/4"	SCW	ST.	-	F01	H.M.	PT	A1/A-602	A1/A-602	A1/A-602	-	45	M-03	
119	D01	3' - 0"	7' - 0"	1 3/4"	SCW	ST.	-	F01	H.M.	PT	A1/A-602	A1/A-602	A1/A-602	-	45	M-03	
120	D01	3' - 0"	7' - 0"	1 3/4"	SCW	ST.	-	F01	H.M.	PT	A1/A-602	A1/A-602	A1/A-602	-	45	M-02	
122	D01	3' - 0"	7' - 0"	1 3/4"	SCW	ST.	-	F01	H.M.	PT	A1/A-602	A1/A-602	A1/A-602	-	-	P-02	
123	D01	3' - 0"	7' - 0"	1 3/4"	SCW	ST.	-	F01	H.M.	PT	A2/A-602	A2/A-602	A2/A-602	-	50	M-03	
124	D01	3' - 0"	8' - 0"	1 3/4"	SCW	ST.	-	F01	H.M.	PT	A2/A-602	A2/A-602	A2/A-602	-	50	M-03	
125A	CASED OPENING	4' - 0"	8' - 0"	1 3/4"	-	-	-	F01	H.M.	PT	C1/A-602	C1/A-602	C1/A-602	-	-	B-01	
125B	CASED OPENING	4' - 0"	8' - 0"	1 3/4"	-	-	-	F01	H.M.	PT	C1/A-602	C1/A-602	C1/A-602	-	-	B-01	
126	D01	3' - 0"	8' - 0"	1 3/4"	SCW	ST.	-	F01	H.M.	PT	A2/A-602	A2/A-602	A2/A-602	-	50	M-02	
127	D01	3' - 0"	8' - 0"	1 3/4"	SCW	ST.	-	F01	H.M.	PT	A2/A-602	A2/A-602	A2/A-602	-	50	P-01	
128A	D01	3' - 0"	7' - 0"	1 3/4"	SCW	ST.	-	F01	H.M.	PT	A2/A-602	A2/A-602	A2/A-602	-	50	P-04	
128B	D01	3' - 0"	7' - 0"	1 3/4"	SCW	ST.	-	F01	H.M.	PT	A2/A-602	A2/A-602	A2/A-602	-	50	P-04	
129	D01	3' - 0"	7' - 0"	1 3/4"	SCW	ST.	-	F01	H.M.	PT	A1/A-602	A1/A-602	A1/A-602	-	-	S-03	
130	D01	3' - 0"	8' - 0"	1 3/4"	H.M.	PT	-	F01	H.M.	PT	A2/A-602	A2/A-602	A2/A-602	45 MIN.	50	M-02	
131A	D01	4' - 0"	8' - 0"	1 3/4"	H.M.	PT	-	F01	H.M.	PT	A2/A-602	A2/A-602	A2/A-602	45 MIN.	50	C-01	
131B	(PR) D01	3' - 0"	8' - 0"	1 3/4"	H.M.	PT	-	F01	H.M.	PT	B4/A-601	B4/A-601	B4/A-601	-	-	E-01	
132	D01	3' - 0"	7' - 0"	1 3/4"	H.M.	PT	-	F01	H.M.	PT	A2/A-602	A2/A-602	A2/A-602	45 MIN.	50	M-04	
133A	D01	3' - 0"	8' - 0"	1 3/4"	H.M.	PT	-	F01	H.M.	PT	A2/A-602	A2/A-602	A2/A-602	45 MIN.	50	C-02	
133B	D01	4' - 0"	8' - 0"	1 3/4"	H.M.	PT	-	F01	H.M.	PT	B4/A-601	B4/A-601	B4/A-601	-	-	E-10	
134A	(PR) D01	3' - 0"	8' - 0"	1 3/4"	H.M.	PT	-	F01	H.M.	PT	C2/A-602	C2/A-602	C2/A-602	45 MIN.	60	C-04	
134B	(PR) D01	3' - 0"	8' - 0"	1 3/4"	H.M.	PT	-	F01	H.M.	PT	A4/A-601	A4/A-601	A4/A-601	-	-	C-05	
135A	(PR) D01	3' - 0"	8' - 0"	1 3/4"	H.M.	PT	-	F01	H.M.	PT	A4/A-601	A4/A-601	A4/A-601	-	-	C-05	
136A	D01	3' - 0"	8' - 0"	1 3/4"	H.M.	PT	-	F01	H.M.	PT	A1/A-602	A1/A-602	A1/A-602	45 MIN.	-	S-04	
136B	D01	4' - 0"	8' - 0"	1 3/4"	H.M.	PT	-	F01	H.M.	PT	A4/A-601	A4/A-601	A4/A-601	-	-	C-07	
137A	D01	4' - 0"	8' - 0"	1 3/4"	H.M.	PT	-	F01	H.M.	PT	A1/A-602	A1/A-602	A1/A-602	-	-	M-01	
137B	D01	4' - 0"	8' - 0"	1 3/4"	H.M.	PT	-	F02	H.M.	PT	A4/A-601	A4/A-601	A4/A-601	-	-	C-03	
137C	D01	4' - 0"	8' - 0"	1 3/4"	H.M.	PT	-	F01	H.M.	PT	A1/A-602	A1/A-602	A1/A-602	-	-	P-06	
138	D01	4' - 0"	8' - 0"	1 3/4"	H.M.	PT	-	F01	H.M.	PT	C2/A-602	C2/A-602	C2/A-602	-	60	C-02	
139A	D01	4' - 0"	8' - 0"	1 3/4"	H.M.	PT	-	F02	H.M.	PT	A4/A-601	A4/A-601	A4/A-601	-	-	C-03	
139B	D16	10' - 0"	10' - 0"	3"	STL	FF	-	-	STL	FF	A5/A-602	A5/A-602	A5/A-602	-	-	B-02	
140A	D01	4' - 0"	8' - 0"	1 3/4"	H.M.	PT	-	F01	H.M.	PT	A1/A-602	A1/A-602	A1/A-602	-	-	S-02	
140B	D01	4' - 0"	8' - 0"	1 3/4"	H.M.	PT	-	F01	H.M.	PT	A4/A-601	A4/A-601	A4/A-601	-	-	E-10	
141	D01	4' - 0"	8' - 0"	1 3/4"	H.M.	PT	-	F01	H.M.	PT	A1/A-601	A1/A-602	A1/A-602	-	-	S-02	
142A	D01	4' - 0"	8' - 0"	1 3/4"	H.M.	PT	-	F01	H.M.	PT	A2/A-602	A2/A-602	A2/A-602	-	50	P-04	
142B	D01	4' - 0"	8' - 0"	1 3/4"	H.M.	PT	-	F01	H.M.	PT	A4/A-601	A4/A-601	A4/A-601	-	-	C-03	
143A	(PR) D01	3' - 0"	8' - 0"	1 3/4"	H.M.	PT	-	F01	H.M.	PT	A1/A-602	A1/A-602	A1/A-602	-	-	E-03	
143B	(PR) D01	3' - 0"	8' - 0"	1 3/4"	H.M.	PT	-	F01	H.M.	PT	A4/A-601	A4/A-601	A4/A-601	-	-	E-01	
L101	(PR) D15	3' - 0"	8' - 0"	1 3/4"	H.M.	PT	GL-2	F01	H.M.	PT	A3/A-602	A3/A-602	A3/A-602	-	-	E-09	

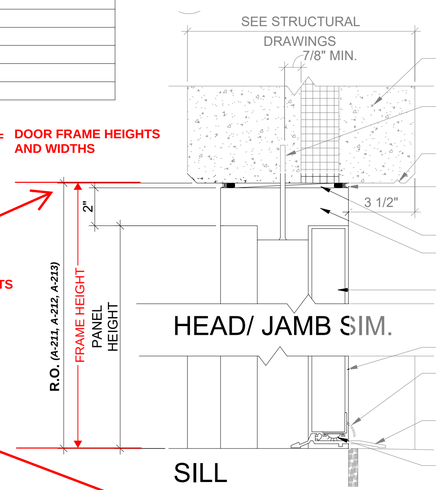


TRACON FRAME & DOOR TYPES

R.O. (h x w) = DOOR FRAME HEIGHTS AND WIDTHS
(dwg's A-211, A-212, AND A-213)

R.O. H x W = DOOR FRAME HEIGHTS AND WIDTHS
(dwg's A-211, A-212, AND A-213)

DESIGN DOCUMENTS PROVIDE NO VERTICAL HEIGHT OR HORIZONTAL WIDTH TO ACCOUNT FOR MINIMUM CLEARANCES FOR HEADER AND JAMB CAULK JOINTS



A4 DOOR DETAILS
SCALE: 3" = 1'-0"

SCALE: 3" = 1'-0"

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ISSUED FOR CONSTRUCTION

POND
3500 Parkway Lane
Suite 500
Peachtree Corners
Georgia 30092

EOR/AOR SEAL

COA STAMP

CLIENT INFORMATION

Asheville REGIONAL AIRPORT

PROJECT NAME

GREATER ASHEVILLE REGIONAL AIRPORT AUTHORITY ATCT & TRACON

146 Westfeldt Rd,
Mills River, NC 28732

DRAWING ISSUE

MARK	DESCRIPTION	DATE
A	ISSUED FOR CONSTRUCTION	12/21/2022

DESIGNED BY:	DGM
DRAWN BY:	DGM
CHECKED BY:	LTH
SUBMITTED BY:	RCJ
DATE:	21 DECEMBER 2022
PROJECT #:	1210250

SHEET TITLE

TRACON DOOR SCHEDULE, FRAME & DOOR TYPES, TYPICAL DETAILS

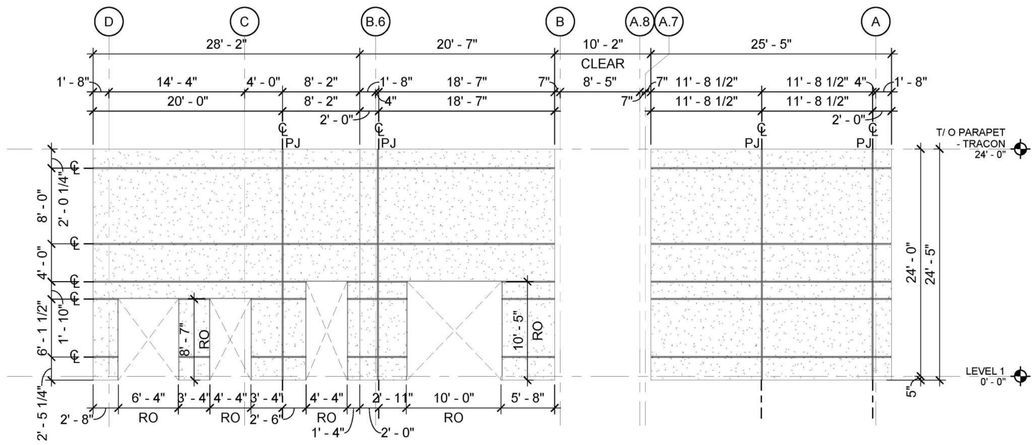
SENSITIVE SECURITY INFORMATION
CONTROLLED UNDER 49 CFR PARTS 15 AND 1520.

SHEET NUMBER

A-601

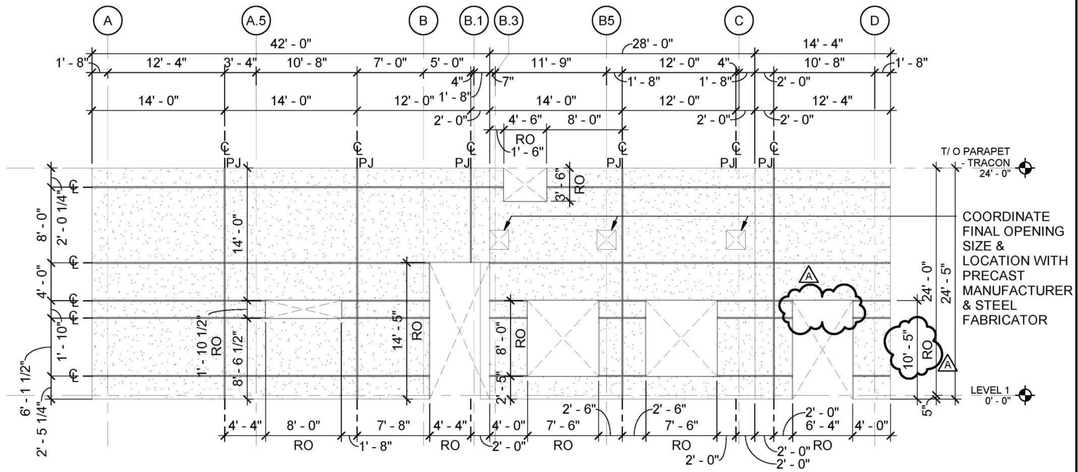
ORIGINAL SHEET SIZE:
22" X 34"

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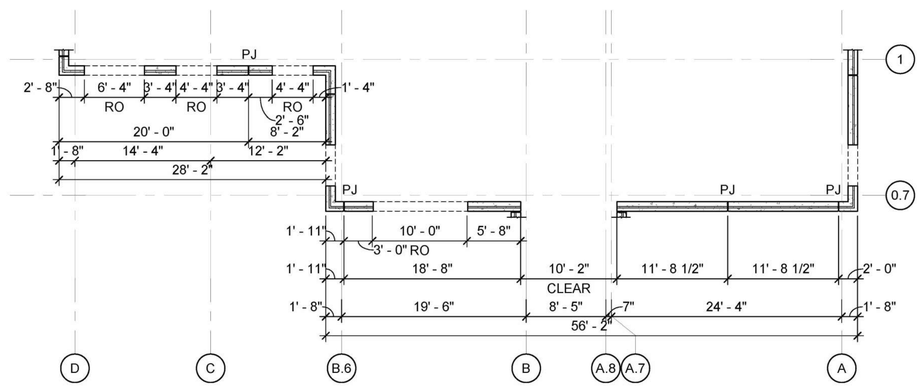
C1 TRACON PRECAST CONCRETE PANEL ELEVATIONS - NORTH

SCALE: 1/8" = 1'-0"



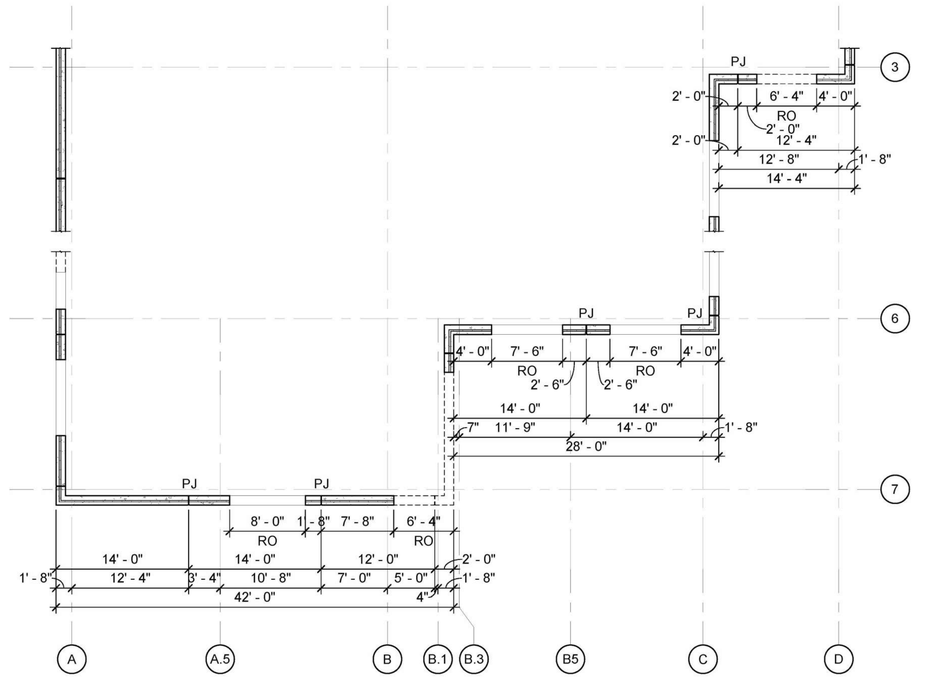
C3 TRACON PRECAST CONCRETE PANEL ELEVATIONS - SOUTH

SCALE: 1/8" = 1'-0"



A1 TRACON PRECAST CONCRETE PANEL PLAN - NORTH

SCALE: 1/8" = 1'-0"



A3 TRACON PRECAST CONCRETE PANEL PLAN - SOUTH

SCALE: 1/8" = 1'-0"

POND
3500 Parkway Lane
Suite 500
Peachtree Corners
Georgia 30092

EOR/AOR SEAL

JORGE A. MENDEZ
REGISTERED
LICENSED ARCHITECT
15878
12-21-22
NORTH CAROLINA
JOHNS CREEK, GA

COA STAMP

POND & ASSOCIATES, INC.
REGISTERED ARCHITECTURAL CORPORATION
51472
NORTH CAROLINA
PEACHTREE CORNERS, GA

CLIENT INFORMATION

Asheville
REGIONAL AIRPORT

PROJECT NAME

GREATER ASHEVILLE REGIONAL AIRPORT AUTHORITY ATCT & TRACON

146 Westfeldt Rd,
Mills River, NC 28732

DRAWING ISSUE

MARK	ISSUED FOR CONSTRUCTION DESCRIPTION	DATE
A	ISSUED FOR CONSTRUCTION	12/21/2022

DESIGNED BY:	DGM
DRAWN BY:	DGM
CHECKED BY:	LTH
SUBMITTED BY:	RCJ
DATE:	21 DECEMBER 2022
PROJECT #:	1210250

SHEET TITLE

TRACON PRECAST PANEL PLANS & ELEVATIONS

SENSITIVE SECURITY INFORMATION
CONTROLLED UNDER 49 CFR PARTS 15 AND 1520.

SHEET NUMBER

A-211

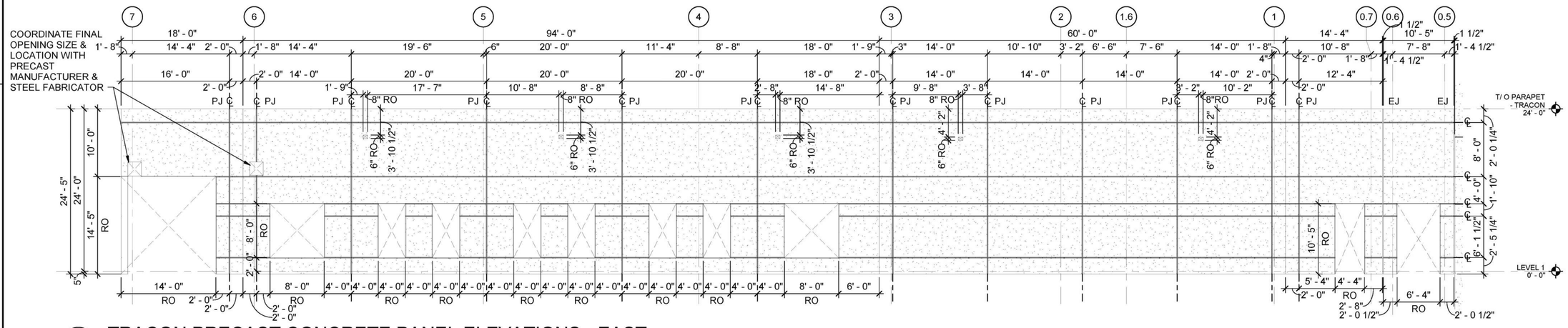
ORIGINAL SHEET SIZE:
22" X 34"

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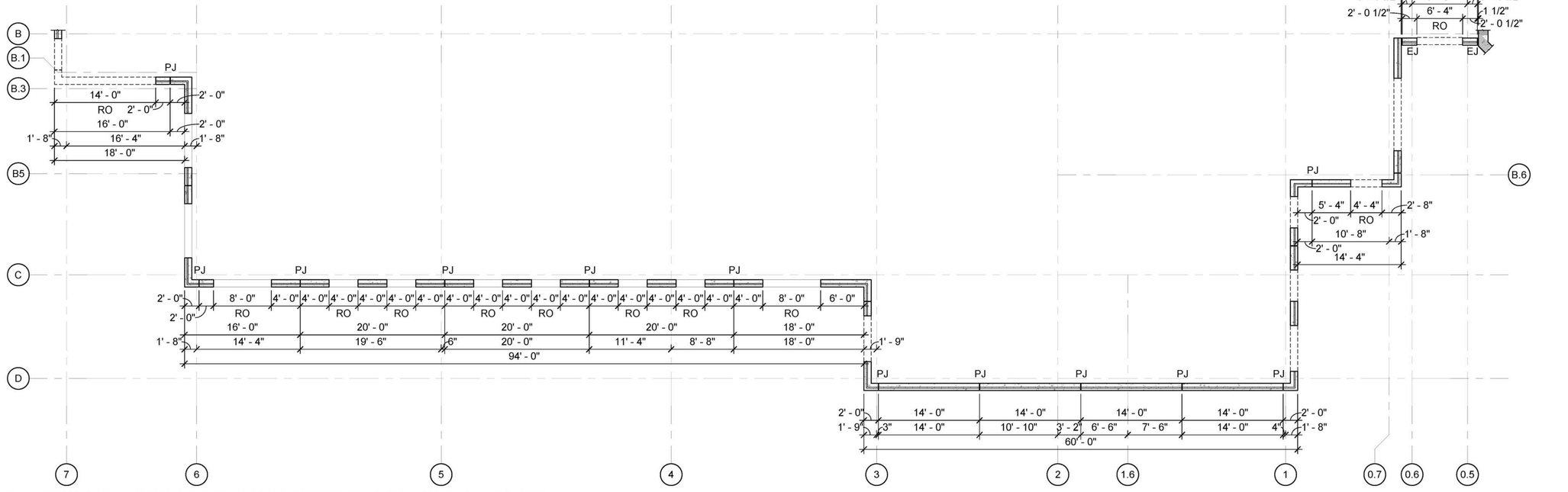
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C1 TRACON PRECAST CONCRETE PANEL ELEVATIONS - EAST

SCALE: 1/8" = 1'-0"



A1 TRACON PRECAST CONCRETE PANEL PLAN - EAST

SCALE: 1/8" = 1'-0"

SCALE: 1/8" = 1'-0"

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3500 Parkway Lane
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Georgia 30092

EOR/AOR SEAL

JORGE K. MENDEZ — REGISTERED LANDSCAPE ARCHITECT — 15878 — 12.21.22 — NORTH CAROLINA — JOHNS CREEK, GA

COA STAMP

POND & ASSOCIATES, INC. — REGISTERED ARCHITECTURAL CORPORATION — 51472 — NORTH CAROLINA — PEACHTREE CORNERS, GA

CLIENT INFORMATION

Asheville REGIONAL AIRPORT

PROJECT NAME

GREATER ASHEVILLE REGIONAL AIRPORT AUTHORITY ATCT & TRACON

146 Westfeldt Rd,
Mills River, NC 28732

DRAWING ISSUE

MARK	DESCRIPTION	DATE
A	ISSUED FOR CONSTRUCTION	12/21/2022

DESIGNED BY:	DGM
DRAWN BY:	DGM
CHECKED BY:	LTH
SUBMITTED BY:	RCJ
DATE:	21 DECEMBER 2022
PROJECT #:	1210250

SHEET TITLE

TRACON PRECAST PANEL PLANS & ELEVATIONS

SENSITIVE SECURITY INFORMATION
CONTROLLED UNDER 49 CFR PARTS 15 AND 1520.

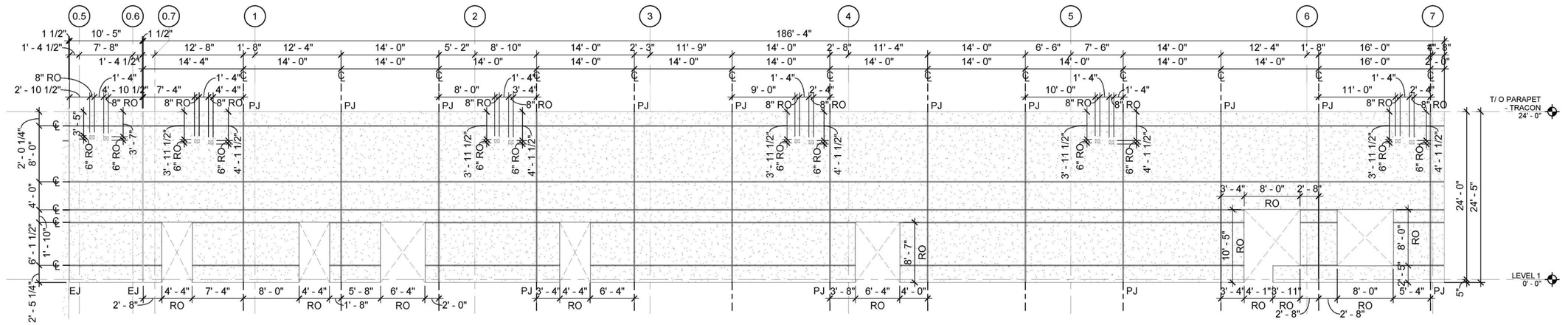
SHEET NUMBER

A-212

ORIGINAL SHEET SIZE: 22" X 34"

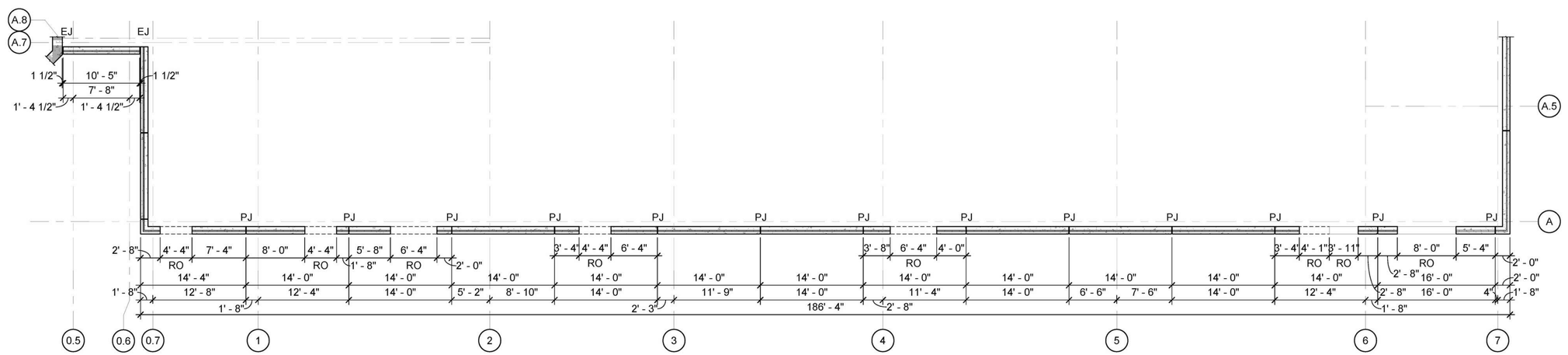
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C1 TRACON PRECAST CONCRETE PANEL ELEVATIONS - WEST

SCALE: 1/8" = 1'-0"



A1 TRACON PRECAST CONCRETE PANEL PLAN - WEST

SCALE: 1/8" = 1'-0"

0 4' 8' 16'

SCALE: 1/8" = 1'-0"

POND
3500 Parkway Lane
Suite 500
Peachtree Corners
Georgia 30092

EOR/AOR SEAL

JORGE K. MENDEZ
REGISTERED LANDSCAPE ARCHITECT
15878
12-21-22
NORTH CAROLINA
JOHNS CREEK, GA

COA STAMP

POND & ASSOCIATES, INC.
REGISTERED ARCHITECTURAL CORPORATION
51472
NORTH CAROLINA
PEACHTREE CORNERS, GA

CLIENT INFORMATION

Asheville REGIONAL AIRPORT

PROJECT NAME

GREATER ASHEVILLE REGIONAL AIRPORT AUTHORITY ATCT & TRACON

146 Westfeldt Rd,
Mills River, NC 28732

DRAWING ISSUE

MARK	ISSUED FOR CONSTRUCTION DESCRIPTION	DATE
A	ISSUED FOR CONSTRUCTION	12/21/2022

DESIGNED BY:	DGM
DRAWN BY:	DGM
CHECKED BY:	LTH
SUBMITTED BY:	RCJ
DATE:	21 DECEMBER 2022
PROJECT #:	1210250

SHEET TITLE

TRACON PRECAST PANEL PLANS & ELEVATIONS

SENSITIVE SECURITY INFORMATION
CONTROLLED UNDER 49 CFR PARTS 15 AND 1520.

SHEET NUMBER

A-213

ORIGINAL SHEET SIZE: 22" X 34"

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CHANGE ORDER REQUEST

6

UNITED PAINTING SERVICES
CREATING YOUR LEGACY, TOGETHER

Title: T&M Ticket 13601 - Install Exterior Door Frames
Project Name: AVL ACTC
Project Address: 146 Westfeldt Road
Fletcher, NC 28732
COR Date: 12/04/2024
United Painting Services, Inc Job Number: 2365
Customer Job Number: KC-0245-22
Customer Reference Number:

Our Information

United Painting Services, Inc
2807 Chamber Drive
Monroe, NC 28110
Phone: (704)-684-0357

Customer Information

Kokolakis Contracting
202 East Center Street
Tarpon Springs, FL 34689

Description of Change Order Request

See attached signed T&M Work Order signed by Michael Burton on 11/26/24

Labor

Description	Qty (HR)	Unit (HR)	Rate (HR)	Total Cost
Mechanic	68	ST	$45.00	$3,060.00
Hours Subtotals: ST: 68			**Total Labor:**	**$3,060.00**

Subtotal		**$3,060.00**
Mark Up Rate (Subtotal)	15.000%	$459.00
Bond (Subtotal)	2.000%	$61.20
Requested Total		**$3,580.20**

Terms & Conditions

POWERED BY CLEARSTORY

UNITED PAINTING SERVICES
CREATING YOUR LEGACY, TOGETHER

Change To Contract Work

Ticket Number **13601**

DATE: _____

OverTime: Y☐ N☐

Project Name: AVL AICT

Location: Asheville – Tracon

Additional Scope per GC: Install ext door frames

DAMAGE Caused by: _____

Work due to: _____

Description of Work: _____

	Title	Name	Description of Work	Man Hours
1				
2	mech	Fidel	install ext door frames	68
3				
4				
5				
6				
7				
8			TOTAL	

	Color	Materials & Equipment	Description of Materials & Equipment	Quantity
1		hammer drill		
2		ladder		
3				
4				
5				
6				
			TOTAL	

		Mobilization		Quantity
1				
			TOTAL	68 hrs

	Name	Signature	Date
Employee submitting this ticket	Scott	UPSI	11-26-24
GC Representative Authorized & Approved	M. Burton		11/26/24

Change Orders and Contract Change Orders (CCO) and Extra Work Orders (EWO) are changes to the Contract between UNITED PAINTING SERVICES, INC., and are themselves legal documents for payment. Once a Change Order is signed by the CG representative it becomes part of the Contract. Notwithstanding a contrary term in any contract between the parties, in the event Customer fails to pay invoices in a timely manner, and in the event legal action or other proceeding becomes necessary, Customer agrees that United Painting Services Inc., shall be entitled to all unpaid sums, plus all costs, fees of collection, and highest interest rate allowed by North Carolina without limitation, reasonable attorney fees and costs. Not negotiable.

Office Received: _____

COR:

Invoice 232589

Invoice Date: 04/25/25
Branch: 413
Due Date: 04/25/25
Sales Representative: TYLER BROWNLEE
Ordered By: ERICK BUSTOS
PO #:
Customer Job #

Remit To: Penhall Company
PO Box 842911
Los Angeles, CA 90084-2911

Job Site Address: 61 TERMINAL DR
FLETCHER, NC 28732

Bill To: 30780
J KOKOLAKIS CONTRACTING, INC D
202 E CENTER ST
TARPON SPRINGS, FL 34689
727.942.2211
INVOICES@JKOKOLAKIS.COM

Work Description: Work Order: 133283

Description of Work:
W/S C/S (4) MAN DOORS TO TRIM 1/2" OFF ONE SIDE OF A 7' TALL DOOR.

Work Order	Description	Amount	Tax	Total
133283	KOKOLAKIS CONTRACTING - ASHEVILLE AIRPORT - W/S			
	SERVICE COSTS	9,750.00	0.00	9,750.00
	ENVIRONMENTAL SERVICE / COMPLIANCE CHARGE	487.50	0.00	487.50
	FUEL SURCHARGE	487.50	0.00	487.50
		10,725.00	**0.00**	**10,725.00**

Terms: NET 30 DAYS

Subtotal	10,725.00
Tax	0.00
Total	10,725.00

For Billing Inquiries call 864.288.0602 hbearden@penhall.com
Please use this address only when sending payments via standard mail:
Penhall Company
PO BOX 842911
Los Angeles, CA 90084-2911

In the event you need to remit payment via express mail or overnight delivery:
Wells Fargo Lockbox-E2001-049
Penhall Company DEPT 842911
3440 Flair Drive
El Monte CA 917312823
Telephone: 415-243-7591

If you would like to send your payment electronically, please use this address for ACH/EFT payments:
Wells Fargo Bank
ABA# 121000248
Acct # 4945086486

To pay via Visa, Mastercard, Discover or American Express. Please log into our secured Wells Fargo e-Bill Express portal to pay your invoice on line: https://www.e-billexpress.com/ebpp/penhall/

Contemplated Change Order #17
New Exterior Frames

1 Pair Doors #131B.R **EXTERIOR from ELECTRONICS ROOM 131** **90° RHRA**

1 SQ 14 A60 634 DBL 6080 V3 RHRA (A250; A30_EO_PS+; EPT2; H1; HC6; MS4; NHP_CH; OMIT_MUTES; TB)

1 Single Door #133B.R **EXTERIOR from TRACON 133** **90° LHR**

1 SQ 14 A60 634 SGL 4080 V3 RH (50H; A250; A30_EO_PS+; H1; MS4; OMIT_MUTES; R; TB)

1 Pair Doors #134B.R **EXTERIOR from MECHANICAL ROOM 134** **90° RHRA**

1 SQ 14 A60 634 DBL 6080 V3 RHRA (A250; A30_EO_PS+; EPT2; H1; HC6; MS4; NHP_CH; OMIT_MUTES; TB)

1 Pair Doors #L101.R **EXTERIOR from LINK L101** **90° RHRA**

1 SQ 14 A60 834 DBL 6080 V3 RHRA (A250; A30_EO_PS+; EPT2; H1; HC6; MS4; NHP_CH; OMIT_MUTES; TB)

1 Single Door #136B.R **EXTERIOR from FIRE LIFE SAFETY ELECTRICAL ROOM 136** **90° LHR**

1 SQ 14 A60 634 SGL 4080 V3 RH (50H; A250; A30_EO_PS+; EPT2; H1; MS4; OMIT_MUTES; R; TB)

1 Single Door #137B.R **EXTERIOR from TECH STORAGE WORKSPACE 137** **90° LHR**

1 Elevation F02

1 Single Door #140B.R **EXTERIOR from TELECOM/LAN 140** **90° LHR**

1 SQ 14 A60 834 SGL 4080 V3 RH (50H; A250; A30_EO_PS+; EPT2; H1; MS4; OMIT_MUTES; R; TB)

1 Pair Doors #143B.R **EXTERIOR from MECHANICAL ROOM 134** **90° RHRA**

1 SQ 14 A60 634 DBL 6080 V3 RHRA (A250; A30_EO_PS+; EPT2; H1; HC6; MS4; NHP_CH; OMIT_MUTES; TB)

Section Totals

08 11 13 Hollow Metal Doors & Frames	11,655.16
Pre-Tax Total:	**11,655.16**

Taxes

10143	NC-Henderson County	233.10
10202	NC-NORTH CAROLINA STATE TAX 4.75%	553.62
	Tax Total:	**786.72**
	Grand Total:	**12,441.88**

KOKOLAKIS CONTRACTING
FORGING RELATIONSHIPS ANOTHER 50 YEARS

integrity@jkokolakis.com
jkokolakis.com

September 11, 2025

AVL Airport Project Manager
Parsons Corporation
146 Westfield Road
Mills River, NC 2873

Attn: Joshua D. Alexander, CCM

Re: Airport Traffic Control Tower (ATCT) and Base Building Facility
Project No: 0245-22
Subject: Change Order Request (COR) #55 – Architect's Supplemental Instructions (ASI) #013 Issuance on 7/24/2025

Mr. Alexander,

Kokolakis Contracting submits a lump sum proposal for the above referenced Change Order Request No. 55, for the sum of **$257,927.08**. Enclosed please find a detailed cost breakdown, summary of changes and back-up related to this change order, which to the best of our knowledge incorporates all adds/deducts associated with the abovementioned changes.

The enclosed Change Order Request includes a detailed cost and schedule impact for the removal and replacement of eight (8) previously installed and commissioned fire dampers with new Fire/Smoke Dampers (FSDs) & duct smoke detectors, and two (2) newly added unit heaters. Given that punch list activities within the TRACON are substantially complete, this change introduces rework in tightly coordinated and congested areas, requiring significant coordination among multiple trades.

Kindly issue a change order to incorporate the revisions enclosed. Should you have any questions, please do not hesitate to contact me directly at (215) 410-6808.

Respectfully,

KOKOLAKIS CONTRACTING, INC.

Sean Thornton, P.E.
Project Manager
Cc: Field / File

COST PROPOSAL BREAKDOWN SHEET
KC-245- Asheville Regional Airport New ATCT & Base Building

OWNER RFP # **ASI-013 dated 7/24/25**
KOKOLAKIS PROPOSAL # **COR #55 Rev.4**

TITLE: **ASI-013 - Added FSDs and UHs dated 7/24/25 Rev.4**
DATE: **9/11/2025**
DAYS ADDED: **36**

Description of Work	Material Quantity	Unit Cost	Total Material	Non-Compen. Days	Approved Compensable Days	Daily Rate	Total Labor	Total Cost
ASI-013 - Added FSDs and UHs dated 7/24/25								
Kokolakis Self Perform								
Kokolakis Extended General Conditions (25 Days)			-	11	**25**	**5,193.30**		**129,832.50**
			-				-	-
			-					
Sub-Total			**-**				**-**	**129,832.50**
Subcontracted								
CAM-FUL INDUSTRIES (DIV 23)								
8/7/25 ASI-013 Proposal Rev.1 - Furnish & Install FSD's, UH's (Reduced per AVL)						-	-	**36,135.39**
BESCO ELECTRICAL (DIV 26, 28)								
COP#26 Proposal dated 8/4/25 (Reduced per AVL)							-	**45,094.15**
UNITED PAINTING SERVICES, INC. (DIV 6 & 9)								
Labor Summary:								
- 4 Crew-Hrs per FSD Location for framing, 2 for finishes x 8 locations	8.00	660.00					-	5,280.00
- Foreman (20%)					9.60	65.00	624.00	624.00
Material Summary:								
- CFMF Framing, Type X Gypsum Board, Contingency for tile replacement	2,560.00	1.20	3,072.00				-	3,072.00
- Elevated Access Equipment (Baker Scaffold)			800.00				-	800.00
UPSI OH&P @ 10.00%							-	977.60
UPSI Price Breakdown 8/7/25 Rev.1								**10,753.60**
Sub-Total								**91,983.14**
TOTAL DIRECT COST								**221,815.64**
Kokolakis OH@ 10.00%								9,198.31
Kokolakis Profit @ 10.00%								23,101.40
Bond Rate 1.50%								3,811.73
TOTAL PROPOSAL								**$257,927.08**

COST PROPOSAL BREAKDOWN SHEET
KC-245- Asheville Regional Airport New ATCT & Base Building

KOKOLAKIS CONTRACTING

OWNER RFP # ASI-013 dated 7/24/25
KOKOLAKIS PROPOSAL # COR #55

TITLE ASI-013 - Added FSDs and UHs dated 7/24/25
DATE 9/4/2025

SUPERSEDED

Description of Work		Material Quantity	Unit Cost	Total Material	Total Days	Daily Rate	Total Labor	Total Cost
ASI-013 - Added FSDs and UHs dated 7/24/25								
Kokolakis Self Perform								
Kokolakis Extended General Conditions (61 Days)				-	61.00	10,697.50	652,547.44	652,547.44
				-			-	-
				-				
Sub-Total				-			**652,547.44**	**652,547.44**
Subcontracted								
CAM-FUL INDUSTRIES (DIV 23)								
8/7/25 ASI-013 Proposal Rev.1 - Furnish & Install FSD's, UH's (Reduced per AVL)						-	-	**36,135.39**
BESCO ELECTRICAL (DIV 26, 28)								
COP#26 Proposal dated 8/4/25 (Reduced per AVL)							-	**45,094.15**
UNITED PAINTING SERVICES, INC. (DIV 6 & 9)								
Labor Summary:								
- 4 Crew-Hrs per FSD Location for framing, 2 for finishes x 8 locations		8.00	660.00				-	5,280.00
- Foreman (20%)					9.60	65.00	624.00	624.00
Material Summary:								
- CFMF Framing, Type X Gypsum Board, Contingency for tile replacement		2,560.00	1.20	3,072.00			-	3,072.00
- Elevated Access Equipment (Baker Scaffold)				800.00			-	800.00
UPSI OH&P @	10.00%						-	977.60
UPSI Price Breakdown 8/7/25 Rev.1								**10,753.60**
Sub-Total								**91,983.14**
TOTAL DIRECT COST								**744,530.58**
Kokolakis OH@	10.00%							74,453.06
Subtract 'GC's' OH @	-10.00%							*(65,254.74)*
Kokolakis Profit @	10.00%							75,372.89
Bond Rate	1.50%							12,436.53
TOTAL PROPOSAL								**$841,538.31**

GREATER ASHEVILLE REGIONAL AIRPORT AUTHORITY ATCT & TRACON

146 Westfield Rd, Mills River, NC 28732

ID	Name	Plann... Durat...	Actual Start	Start	Actual Finish	Finish	Total Float
Asheville Regional Airport Authority - ATCT & TRACON		**138d**	**30-Apr-24**	**30-Apr-24 A**		**15-Oct-25**	**-95d**
2.2 PROJECT IMPACTS		133d	18-Feb-25	18-Feb-25 A		15-Oct-25	-95d
Time Impact Analysis - ASI-013 - Added FSD's and Unit Heaters		46d	05-Aug-25 ...	05-Aug-25 A		15-Oct-25	-95d
Pricing & Change Order/CCD Issuance		5d	05-Aug-25 ...	05-Aug-25 A		11-Aug-25	-95d
TIA-ASI13-0.3	Owner Review of ASI-013 Change Order Proposal	3d	05-Aug-25 ...	05-Aug-25 A		08-Aug-25	-95d
TIA-ASI13-0.4	Owner Approval of Change Order / Issuance of CCD	1d		11-Aug-25		11-Aug-25	-95d
Pre-construction & Procurement		15d		12-Aug-25		02-Sep-25	-95d
TIA-ASI13-0.5	Cut, Cap & Safe-off Mechanical Piping & Electrical @ (E) FD's	5d		12-Aug-25		18-Aug-25	-95d
TIA-ASI13-0.6	Procurement: Eight (8) Fire/Smoke Dampers & Two (2) Unit Heaters	15d		12-Aug-25		02-Sep-25	-95d
Fire Smoke Damper Installation - TRACON 133		15d		26-Aug-25		16-Sep-25	-88d
TIA-ASI13-1.1	Fire Rated Wall Cut-out & Re-frame FSD #1 (Abv. Ceiling)	2d		26-Aug-25		27-Aug-25	-95d
TIA-ASI13-1.2	Remove FD & Retrofit HVAC Ductwork for FSD - Area #1	2d		28-Aug-25		29-Aug-25	-86d
TIA-ASI13-2.1	Fire Rated Wall Cut-out & Re-frame FSD #2 (Abv. Ceiling)	2d		28-Aug-25		29-Aug-25	-95d
TIA-ASI13-2.2	Remove FD & Retrofit HVAC Ductwork for FSD - Area #2	2d		02-Sep-25		03-Sep-25	-95d
TIA-ASI13-1.3	Rough-in & Install Fire Smoke Damper - Area #1	4d		03-Sep-25		08-Sep-25	-87d
TIA-ASI13-2.3	Rough-in & Install Fire Smoke Damper - Area #2	4d		04-Sep-25		09-Sep-25	-95d
TIA-ASI13-26.1	Conduit & Cabling for Power & LV/Fire Alarm	2d		10-Sep-25		11-Sep-25	-88d
TIA-ASI13-26.2	Install Duct Smk Detectors at FSD's	2d		11-Sep-25		12-Sep-25	-88d
TIA-ASI13-26.25	Sheetrock, Patching, Finishes & Painting Restoration	2d		15-Sep-25		16-Sep-25	-88d
Fire Smoke Damper Installation - Electronics Room 131		22d		26-Aug-25		25-Sep-25	-95d
TIA-ASI13-4.1	Fire Rated Wall Cut-out & Re-frame FSD #4 (Abv. Ceiling)	2d		26-Aug-25		27-Aug-25	-91d
TIA-ASI13-4.2	Remove FD & Retrofit HVAC Ductwork for FSD - Area #4	2d		28-Aug-25		29-Aug-25	-85d
TIA-ASI13-4.3	Rough-in & Install Fire Smoke Damper - Area #4	2d		02-Sep-25		03-Sep-25	-85d
TIA-ASI13-3.1	Fire Rated Wall Cut-out & Re-frame FSD #3 (Abv. Ceiling)	2d		10-Sep-25		11-Sep-25	-95d
TIA-ASI13-3.2	Remove FD & Retrofit HVAC Ductwork for FSD - Area #3	2d		12-Sep-25		15-Sep-25	-95d
TIA-ASI13-3.3	Rough-in & Install Fire Smoke Damper - Area #3	2d		16-Sep-25		17-Sep-25	-95d
TIA-ASI13-26.3	Conduit & Cabling for Power & LV/Fire Alarm	2d		18-Sep-25		19-Sep-25	-95d
TIA-ASI13-26.4	Install Duct Smk Detectors at FSD's	2d		22-Sep-25		23-Sep-25	-95d
TIA-ASI13-26.45	Sheetrock, Patching, Finishes & Painting Restoration	2d		24-Sep-25		25-Sep-25	-95d
Fire Smoke Damper Installation - ETG Lab 130		22d		28-Aug-25		29-Sep-25	-88d
TIA-ASI13-5.1	Fire Rated Wall Cut-out & Re-frame FSD #5 (Abv. Ceiling)	1d		28-Aug-25		28-Aug-25	-91d
TIA-ASI13-5.2	Remove FD & Retrofit HVAC Ductwork for FSD - Area #5	2d		29-Aug-25		02-Sep-25	-85d
TIA-ASI13-6.1	Fire Rated Wall Cut-out & Re-frame FSD #6 (Abv. Ceiling)	2d		29-Aug-25		02-Sep-25	-91d
TIA-ASI13-5.3	Rough-in & Install Fire Smoke Damper - Area #5	3d		03-Sep-25		05-Sep-25	-85d
TIA-ASI13-6.2	Remove FD & Retrofit HVAC Ductwork for FSD - Area #6	2d		03-Sep-25		04-Sep-25	-87d
TIA-ASI13-UH	Install and Wire Unit Heaters	6d		03-Sep-25		10-Sep-25	-75d
TIA-ASI13-6.3	Rough-in & Install Fire Smoke Damper - Area #6	3d		05-Sep-25		09-Sep-25	-87d
TIA-ASI13-26.5	Conduit & Cabling for Power & LV/Fire Alarm	2d		10-Sep-25		11-Sep-25	-87d
TIA-ASI13-26.6	Install Duct Smk Detectors at FSD's	2d		12-Sep-25		15-Sep-25	-87d
TIA-ASI13-26.65	Sheetrock, Patching, Finishes & Painting Restoration	2d		26-Sep-25		29-Sep-25	-95d
Fire Smoke Damper Installation - Head End 132		21d		03-Sep-25		01-Oct-25	-95d
TIA-ASI13-7.1	Fire Rated Wall Cut-out & Re-frame FSD #7 (Abv. Ceiling)	2d		03-Sep-25		04-Sep-25	-91d
TIA-ASI13-7.2	Remove FD & Retrofit HVAC Ductwork for FSD - Area #7	2d		05-Sep-25		08-Sep-25	-91d
TIA-ASI13-7.3	Rough-in & Install Fire Smoke Damper - Area #7	3d		09-Sep-25		11-Sep-25	-87d
TIA-ASI13-8.1	Fire Rated Wall Cut-out & Re-frame FSD #8 (Abv. Ceiling)	2d		09-Sep-25		10-Sep-25	-91d
TIA-ASI13-8.2	Remove FD & Retrofit HVAC Ductwork for FSD - Area #8	2d		11-Sep-25		12-Sep-25	-91d
TIA-ASI13-8.3	Rough-in & Install Fire Smoke Damper - Area #8	3d		15-Sep-25		17-Sep-25	-91d
TIA-ASI13-26.7	Conduit & Cabling for Power & LV/Fire Alarm	2d		18-Sep-25		19-Sep-25	-91d
TIA-ASI13-26.8	Install Duct Smk Detectors at FSD's	2d		22-Sep-25		23-Sep-25	-91d
TIA-ASI13-26.85	Sheetrock, Patching, Finishes & Painting Restoration	2d		30-Sep-25		01-Oct-25	-95d
Final Sign-offs for Substantial Completion		9d		02-Oct-25		15-Oct-25	-95d
TIA-ASI13-9.4	TAB Re-testing - Air-only (TRACON)	3d		02-Oct-25		06-Oct-25	-95d
TIA-ASI13-9.3	Final Electrical, FA & Life Safety Inspections	2d		07-Oct-25		08-Oct-25	-93d
TIA-ASI13-9.5	2nd Final Cleaning	5d		07-Oct-25		14-Oct-25	-95d
TIA-ASI13-9.6	Owner Acceptance of Substantial Completion	1d		15-Oct-25		15-Oct-25	-95d
RFI #271: Head Clearance at Stair #2		24d	03-Jul-25	03-Jul-25 A		19-Aug-25	-58d
TIA/COR - RFI-254 - Exterior Framing Critical Work Interruption		86d	28-Mar-25 ...	28-Mar-25 A		15-Aug-25	-54d
CCD-004 - 95% MC Dean Security Issuance		98d	18-Feb-25	18-Feb-25 A		04-Sep-25	-66d
RFI-262 - Rm T512 HVAC-Telecom Design Conflicts & Modifications		52d	18-Apr-25	18-Apr-25 A		13-Aug-25	-56d
RFI-256 - Canopy Stairs Design & Code Issues		79d	08-Apr-25	08-Apr-25 A		26-Aug-25	-63d
3.0 CONSTRUCTION		74d	03-Feb-25	03-Feb-25 A		28-Aug-25	-63d
4.0 COMMISSIONING / TESTING / CLOSE-OUT		63d	30-Apr-24	30-Apr-24 A		10-Oct-25	-93d
4.1 Final Testing & Inspections		56d	30-May-25 ...	30-May-25 A		10-Oct-25	-93d
4.3 Closeout		40d	30-Apr-24	30-Apr-24 A		03-Sep-25	-65d
1.0 MILESTONES & SUMMARY		0d		15-Oct-25		15-Oct-25	-95d
HC.INSP-3000	Certificate of Occupancy	0d				15-Oct-25	-95d
TC-00-1010	Substantial Completion	0d				15-Oct-25	-95d
TC-00-1030	Final Completion	0d				15-Oct-25	-95d



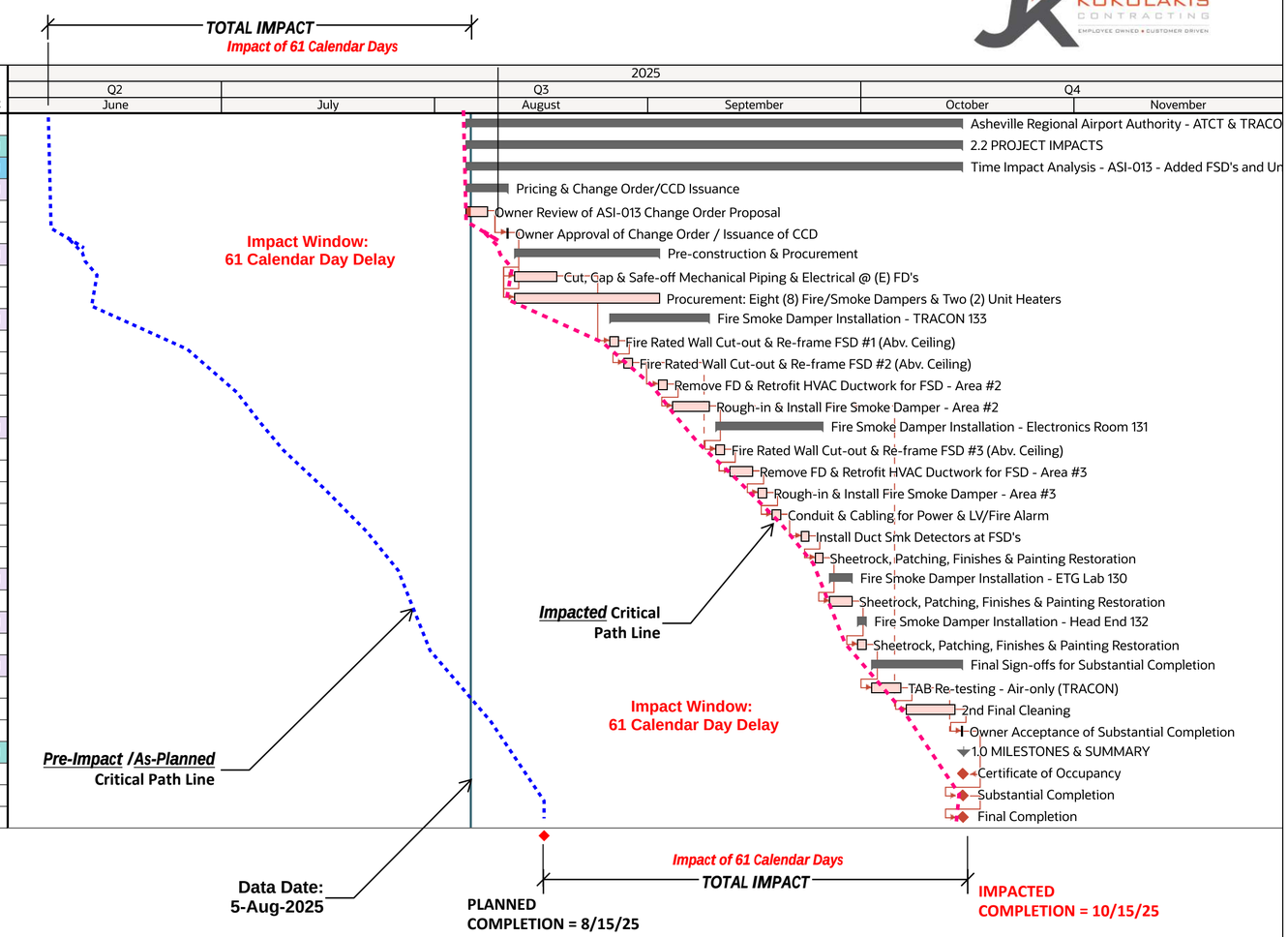
Schedule Update #48 (data date 05-August-2025) | **Schedule Impact - ASI-013**

Current
Progress
Critical
Milestones
Summary

GREATER ASHEVILLE REGIONAL AIRPORT AUTHORITY ATCT & TRACON

146 Westfield Rd, Mills River, NC 28732

ID	Name	Plann... Durat...	Start	Finish	Total Float
Asheville Regional Airport Authority - ATCT & TRACON		**46d**	**05-Aug-25 A**	**15-Oct-25**	**-95d**
2.2 PROJECT IMPACTS		46d	05-Aug-25 A	15-Oct-25	-95d
Time Impact Analysis - ASI-013 - Added FSD's and Unit Heaters		46d	05-Aug-25 A	15-Oct-25	-95d
Pricing & Change Order/CCD Issuance		5d	05-Aug-25 A	11-Aug-25	-95d
TIA-ASI13-0.3	Owner Review of ASI-013 Change Order Proposal	3d	05-Aug-25 A	08-Aug-25	-95d
TIA-ASI13-0.4	Owner Approval of Change Order / Issuance of CCD	1d	11-Aug-25	11-Aug-25	-95d
Pre-construction & Procurement		15d	12-Aug-25	02-Sep-25	-95d
TIA-ASI13-0.5	Cut, Cap & Safe-off Mechanical Piping & Electrical @ (E) FD's	5d	12-Aug-25	18-Aug-25	-95d
TIA-ASI13-0.6	Procurement: Eight (8) Fire/Smoke Dampers & Two (2) Unit Heaters	15d	12-Aug-25	02-Sep-25	-95d
Fire Smoke Damper Installation - TRACON 133		10d	26-Aug-25	09-Sep-25	-95d
TIA-ASI13-1.1	Fire Rated Wall Cut-out & Re-frame FSD #1 (Abv. Ceiling)	2d	26-Aug-25	27-Aug-25	-95d
TIA-ASI13-2.1	Fire Rated Wall Cut-out & Re-frame FSD #2 (Abv. Ceiling)	2d	28-Aug-25	29-Aug-25	-95d
TIA-ASI13-2.2	Remove FD & Retrofit HVAC Ductwork for FSD - Area #2	2d	02-Sep-25	03-Sep-25	-95d
TIA-ASI13-2.3	Rough-in & Install Fire Smoke Damper - Area #2	4d	04-Sep-25	09-Sep-25	-95d
Fire Smoke Damper Installation - Electronics Room 131		12d	10-Sep-25	25-Sep-25	-95d
TIA-ASI13-3.1	Fire Rated Wall Cut-out & Re-frame FSD #3 (Abv. Ceiling)	2d	10-Sep-25	11-Sep-25	-95d
TIA-ASI13-3.2	Remove FD & Retrofit HVAC Ductwork for FSD - Area #3	2d	12-Sep-25	15-Sep-25	-95d
TIA-ASI13-3.3	Rough-in & Install Fire Smoke Damper - Area #3	2d	16-Sep-25	17-Sep-25	-95d
TIA-ASI13-26.3	Conduit & Cabling for Power & LV/Fire Alarm	2d	18-Sep-25	19-Sep-25	-95d
TIA-ASI13-26.4	Install Duct Smk Detectors at FSD's	2d	22-Sep-25	23-Sep-25	-95d
TIA-ASI13-26.45	Sheetrock, Patching, Finishes & Painting Restoration	2d	24-Sep-25	25-Sep-25	-95d
Fire Smoke Damper Installation - ETG Lab 130		2d	26-Sep-25	29-Sep-25	-95d
TIA-ASI13-26.65	Sheetrock, Patching, Finishes & Painting Restoration	2d	26-Sep-25	29-Sep-25	-95d
Fire Smoke Damper Installation - Head End 132		2d	30-Sep-25	01-Oct-25	-95d
TIA-ASI13-26.85	Sheetrock, Patching, Finishes & Painting Restoration	2d	30-Sep-25	01-Oct-25	-95d
Final Sign-offs for Substantial Completion		9d	02-Oct-25	15-Oct-25	-95d
TIA-ASI13-9.4	TAB Re-testing - Air-only (TRACON)	3d	02-Oct-25	06-Oct-25	-95d
TIA-ASI13-9.5	2nd Final Cleaning	5d	07-Oct-25	14-Oct-25	-95d
TIA-ASI13-9.6	Owner Acceptance of Substantial Completion	1d	15-Oct-25	15-Oct-25	-95d
1.0 MILESTONES & SUMMARY		0d	15-Oct-25	15-Oct-25	-95d
HC.INSP-3000	Certificate of Occupancy	0d		15-Oct-25	-95d
TC-00-1010	Substantial Completion	0d		15-Oct-25	-95d
TC-00-1030	Final Completion	0d		15-Oct-25	-95d



Schedule Update #48 (data date 05-August-2025) | **Schedule Impact - ASI-013**

Current
Progress
Critical
Milestones
Summary

CAM-FUL INDUSTRIES INC.
P.O. BOX 279
PINEVILLE, NC 28134

Phone: 704/556-0301
Fax: 704/556-0366

August 07, 2025

Via Email: sthornton@jkokolakis.com

Kokolakis Contracting
202 E Center Street
Tarpon Springs, FL 34689

Attn: Sean Thornton

RE: GREATER ASHEVILLE REGIONAL AIRPORT AUTHORITY ATCT & TRACON
HVAC SUBCONTRACT
CAM-FUL CHANGE REQUEST NUMBER 3787-600-029R2
ISSUED FOR RESPONSES TO RFIS 162 & 163

Dear Sean,

Please find the attached detailed labor, material, and equipment breakdown for the additional cost associated with the changes outlined in RFIs 162 and 163 responses. After your review of the attached detailed breakdown for this additional work, please advise us upon approval and/or change order proceedings.

TOTAL CAM-FUL CHANGE REQUEST NUMBER 3787-600-029R2 $39,961.00

If you have any questions or concerns regarding this change request for additional work, please feel free to contact our office.

Exclusions: *No painting, ceiling grid or tile removal and replacement, power or control wiring, overtime work, concrete work, cutting or patching sheet rock or masonry or roofing. No vapor barrier for underground piping.*

Note: *Due to market price fluctuations beyond our control, this proposal is offered 30 days and may be withdrawn from consideration due to cost increase or change in job conditions creating additional cost of installation.*

Sincerely,
CAM-FUL INDUSTRIES, INC.

Tom Gombas

Tom Gombas
HVAC Department Manager

Attachments – (3)
2 – Labor & Material Breakdown
1 – Air Carolinas Quote

CC: 3787-600 CR
TCC / RS

TG/af

Rev.1 - 8/7/25

CAM-FIL INDUSTRIES INC.
P.O. BOX 279
PINEVILLE, NC 28134
Phone: 704/556-0301
Fax: 704/556-0366

CHANGE REQUEST LABOR & MATERIAL BREAKDOWN

ATTENTION: Sean Thornton / Kokolakis Contracting

JOB NAME: Greater Asheville Regional Airport Authority
JOB NUMBER: 3787-600

CHANGE REQUEST NUMBER: 3787-600-029R2
CHANGE REQUEST DESCRIPTION: Isuued for Responses to RFI's 162 & 163
(M101, M111, M112, M601)

Labor Total	MATERIAL DESCRIPTION	UNIT	QTY	PRICE	TOTAL
224	Combination Fire/Smoke Dampers		8		$ 3,695.00
	7-Working day rush				$ 1,110.00
50	Modine Electric Unit Heater		2		$ 2,795.00
	(2-3 Week Leed)				
80	Galvanized Ductwork				$ 425.00
	Access Doors		8	$ 45.00	$ 360.00
16	Material Handling				
6	As Builts				
18	Insulation				$ 200.00
	Spot Coolers		2		$ 3,195.00
	Drawing Reproduction Cost				
	Safety Costs				
	Parking				
				TOTAL MATERIALS:	$ 11,780.00

EQUIPMENT

LABOR	DESCRIPTION	UNIT	QTY	PRICE	TOTAL
394	:FIELD LABOR			**TOTAL EQUIPMENT:**	$ -

Rev.1 - 8/7/25

CAM-FUL INDUSTRIES INC.
P.O. BOX 279
PINEVILLE, NC 28134
Phone: 704/556-0301
Fax: 704/556-0366

CHANGE REQUEST LABOR & MATERIAL BREAKDOWN

ATTENTION: Sean Thornton / Kokolakis Contracting

JOB NAME: Greater Asheville Regional Airport Authority
JOB NUMBER: 3787-600

CHANGE REQUEST NUMBER: 3787-600-029R2
CHANGE REQUEST DESCRIPTION: Isuued for Responses to RFI's 162 & 163 (M101, M111, M112, M601)

1	COST OF MATERIALS (Per attached breakdown)							$ 11,780.00	
2	EQUIPMENT RENTAL (Per attached breakdown)							$ -	
3	SUBTOTAL I (Add lines 1 & 2)							$ 11,780.00	
4	SALES TAX (7.25% of Subtotal I)							$ 854.05	
5	LABOR								
	FIELD LABOR	350	HRS @	$ 58.73	$ 20,555.50				
	GENERAL LABOR	36	HRS @	$ 55.61	$ 2,001.96				
	ENGINEERING LABOR	8	HRS @	$ 75.00	$ 600.00				
						LABOR SUBTOTAL		$ 23,157.46	
6	LABOR BURDEN (Insurance & related payroll cost - 46.55% of line 5)							N/A	
7	SUBTOTAL II (Add lines 3, 4, 5, and 6)								$ 35,791.51
8	GENERAL OVERHEAD								
	N/A - if change involves deduction								
	N/A - if change involves deduction								
9	PROFIT								$ 3,579.15
	10% if involves additional cost								
	N/A - if change involves deduction								
	SUBCONTRACT WORK (Itemized breakdown(s) attached)								
10	TOTAL SUBCONTRACT(S)								$ -
11	COMMISSION ON SUBCONTRACT(S)								$ -
	15% - if change involves additional cost								
	0% - if change involves deduction								
12	FINAL SUBTOTAL (Add lines 7, 8, 9, 10, and 11)								$ 39,370.66
13	BONDS COST								$ 590.55
							TOTAL CHANGE REQUEST:		**$ 39,961.21**

EXTENSION OF TIME REQUESTED:

REFER TO TIME IMPACT ANALYSIS

Rev.1 - 8/7/25

AIR carolinas

HMI Charlotte
5930 Northwoods Business Parkway
Charlotte, NC 28269

Rick Hahn - rick@hahnmason.com
Rep Phone: (704) 534-0790

Office: (704) 523-5000

Quote

#61330

7/29/2025

ATTENTION
Cam-Ful Industries

Job Name	Engineer	Plans Dated	Addenda	Revision #
Asheville Tracon	CMTA	7/24/2025		
Sales Rep	**Expires**	**Lead Time**	**FOB**	**Terms**
Rick Hahn	8/28/2025	4 - 5 weeks	Factory/Freight Allowed	Net 30

Item	Sell Amount
DAMPERS 8 ea. - Nailor Combination Fire/Smoke Dampers same as original project. 10 working day rush: ADD $739.00 7 working day rush: ADD $1,110.00	$7,390.00
HEATERS 2 ea. - Modine Model AMP057 Electric Unit Heaters. Lead time: 2 - 3 weeks (no rush available)	$2,795.00

÷ 2
= 3695 —

+ 1110 —
= 7600 —

SUBJECT TO PROMPT ACCEPTANCE AND CHANGE WITHOUT NOTICE. TAKE OFF OR APPROVAL NOT GUARANTEED UNLESS STATED. DELIVERIES CONTINGENT UPON CAUSES BEYOND OUR CONTROL. ALL FEDERAL, STATE OR MUNICIPAL TAXES ARE EXCLUDED IN PRICES SHOWN. WE THANK YOU FOR YOUR INTEREST AND ASSURE YOU THAT YOUR ORDER WILL RECEIVE PROMPT ATTENTION.

61330

Rev.1 - 8/7/25

BESCO ELECTRICAL

FIRE DAMPERS & ADDITIONAL HEATERS AND CONTROLS

BESCO ELECTRICAL

Contract Modification Cost Proposal

Control No. COP #26 DATE: 8/4/2025
Revision No.

PROJECT: 220027 (TOWER NEW ATCT-TRACON FAC AVL)

DESCRIPTION

Installation of additional fire/smoke dampers and stairwell heaters per requested pricing. Six (6) original with an addition of two (2) NEW fire/smoke dampers and two (2) stairwell strip heat units. Pricing includes coring, raceways, wiring, disconnecting means, and associated work. Unit heaters and thermostats by others.

Special Note: Overtime and off/after business hours work excluded.

LABOR

Rates Effective 1/1/2025 - 12/31/2025		RATE	HOURS	
Estimated Manhours (Install):		$74.80	115.00	$8,602.00
Estimated Manhours (Setup and Programming)		$112.20	0.00	$0.00
		Labor Subtotal		$8,602.00
On-Site Project Supervisor:		$88.00	16.00	$1,408.00
Estimator:		$118.00	2.00	$236.00
		Mgmt. Subtotal		$1,644.00
	State Sales Tax:		6.75%	$691.61
		TOTAL LABOR		$10,246.00

MATERIAL

Material Per Take-off:				$22,725.00
Miscellaneous Materials:			0.00%	$0.00
Quoted (Order #:):				$0.00
Quoted Material ():				$0.00
Freight:				$0.00
	SUBTOTAL			$22,725.00
	T/O Mat 'l Escalation	0.00%	1 Year	$0.00
	State Sales Tax:		6.75%	$1,533.94
	TOTAL MATERIAL			$24,258.94

EQUIPMENT

Construction Equipment:		$0.00
Mobilization/Demobilization:		$0.00
		$0.00
TOTAL EQUIPMENT		$0.00

OTHER

	HOURS	
Other Costs: General Conditions		$450.00
TOTAL OTHER COSTS		$450.00

SUBTOTAL		**SUBTOTAL DIRECT COSTS**		**$34,954.94**
		Overhead	**10.00%**	**$3,495.49**
		Home Office Overhead	**0.00%**	**$0.00**
		Corporate Insurances	**0.00%**	**$0.00**
		Contingency	**0.00%**	**$0.00**
		Profit	**5.00%**	**$1,922.52**
		JOB SUBTOTAL (Minus Subcontracts)		**$40,372.95**
SUBCONTRACT				
	Subcontracts:			**$9,087.00**
				$0.00
		Subtotal Subcontract		**$9,087.00**
	Subcontract Mark-Up:	**10.00%**		**$908.70**
		TOTAL SUBCONTRACT		**$9,995.70**
		JOB SUBTOTAL		**$40,372.95**
		TOTAL SUBCONTRACT		**$9,995.70**
		Bond Premium	**0.00%**	**$0.00**
		TOTAL REQUESTED		**$50,368.65**
Submitted By:	**Eric Green**	**Additional Time Required**		**9 Working Days**

ATTACHMENTS

Quotation Documentation

Reference Documentation

NOTES

1. **This Proposal does not contain any costs related to extension of contract time, nor acceleration of performance if required to maintain contract time, due to addition of this work.**
2. **This proposal will remain valid for sixty (60) days.**
3. **Tariffs, import duties, and related fees are not included in this proposal unless explicitly stated otherwise. Any such costs incurred will be the responsibility of the purchaser.**

Eric Green

From: Travis Poteet
Sent: Thursday, July 24, 2025 9:05 PM
To: Aaron Weinstock; Eric Green
Subject: Fwd: Asheville ATCT Facility: RFQ #004 - Architect's Supplemental Instructions (ASI) ASI-013, dated 07/24/2025 - Request for Pricing - ASI-013 (7/24/25) DUE 2025-08-04

Follow Up Flag: Follow up
Flag Status: Flagged

See below request for pricing
Sent from my iPad

Begin forwarded message:

> **From:** "Sean Thornton (Kokolakis Contracting)" <J_Kokolakis_Contracting_Inc@procoretech.com>
> **Date:** July 24, 2025 at 7:02:57 PM EDT
> **To:** Travis Poteet <t.poteet@bescoelectrical.com>
> **Subject: Asheville ATCT Facility: RFQ #004 - Architect's Supplemental Instructions (ASI) ASI-013, dated 07/24/2025 - Request for Pricing - ASI-013 (7/24/25) DUE 2025-08-04**
> **Reply-To:** do-not-reply@procore.com
>
> CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or clicking links, especially from unknown senders.
>
> Asheville ATCT Facility
>
> More details: View online
>
> **DO NOT REPLY TO THIS EMAIL.**
>
> This is a notification sent from an unmonitored email address.
>
> **You have been sent a Request for Quote by Kokolakis Contracting.**
>
> ## Request for Quote Details
>
> | | |
> |---|---|
> | Title: | Architect's Supplemental Instructions (ASI) ASI-013, dated 07/24/2025 |

Requested By:	**Sean Thornton (Kokolakis Contracting)**
Quote Due Date:	**08/04/25**

REQUEST FOR QUOTE DOCUMENTS

ASI 013 Drawings.pdf
AVL-ATCT & TRACON-ASI 013_7.24.2025.pdf
Transmittal - 02155.pdf

REQUEST FOR QUOTE INFORMATION

SUBJECT: Request for Pricing: ASI-013, dated 7/24/25

OWNER ISSUANCE: Architect's Supplemental Instructions (ASI) ASI-013

Team.

Please review the attached Architect's Supplemental Instructions (ASI) ASI-013 dated 7/24/25. Summary of changes noted below.

Architect's Supplemental Instructions (ASI) ASI-013

Dated 07/24/2025:

Description of Work:

Scope of work includes includes the location of the Fire Smoke Dampers in the TRACON and the Electric Unit Heaters in the ATCT Tower.:

ASI-013 Drawings:

- M-101 TRACON FLOOR PLAN - HVAC (SHEET 1 OF 9)
  - - Fire Smoke Dampers
- M-111 ATCT FLOOR PLAN - LEVEL 1 - HVAC (SHEET 2 OF 9)
  - - Unit Heaters in Stairwells
- M-112 ATCT FLOOR PLAN - LEVEL 2 - HVAC (SHEET 3 OF 9)
  - - Unit Heaters in Stairwells
- M-601 SCHEDULES - HVAC (SHEET 4 OF 9)
  - - Electric Unit Heater Schedule
- E-105 TRACON MECHANICAL POWER PLAN (SHEET 5 OF 9)
  - - FSD Junction Box
- E-112 ATCT ELECTRICAL PLAN - LEVEL 2 (SHEET 6 OF 9)
  - Power to UH-T1
- E-612 MECHANICAL EQUIPMENT CONNECTION SCHEDULE (SHEET 7 OF 9)
  - - UT-T1 & UT-T2 schedule
- E-622 PANELBOARD SCHEDULES - TRACON (SHEET 8 OF 9)
  - - Panel FLSPL
- E-627 PANELBOARD SCHEDULES - TOWER (SHEET 9 OF 9)
  - - Panel EPL1-CAB

Please submit a detailed change proposal for all associated adds/deducts resulting from ASI-013.

All proposals are due by no later than 3:00pm Monday (7/29/2025)

Submit formal proposals directly to the Procore system under the appropriate RFQ issuance as well as via email to the contacts listed below.
Cameron Champaigne: cchampaigne@jkokolakis.com
Sean Thornton: sthornton@jkokolakis.com
Robert Romero: rromero@jkokolakis.com

Should you have any questions regarding the scope of this request, please contact our team promptly.

Regards,

Sean Thornton

SCOPE OF THIS REQUEST FOR QUOTE

Request for Pricing - ASI-013 (7/24/25)

Do you have a cost or schedule impact associated with this scope?

Yes No

HOW TO SUBMIT A QUOTE

You must be logged in to Procore to submit a quote

Submit your quote

More details: View online

Powered By Procore | support@procore.com | https://support.procore.com

Transmittal

PROJECT:	New ATCT at Asheville Regional Airport 1210250	DATE:	7/24/2025
SUBJECT:	AVL-ATCT & TRACON - ASI 013	TRANSMITTAL ID:	02155
PURPOSE:	For your use	VIA:	Info Exchange

FROM

NAME	COMPANY	EMAIL	PHONE
Jared Reynolds		Jared.Reynolds@pondco.com	

TO

NAME	COMPANY	EMAIL	PHONE
Josh Alexander 171 Wright Brothers Way Fletcher NC 28732 United States	PARSONS Transportation Group	joshua.alexander@parsons.com	

REMARKS:

Josh,

Please see attached ASI 013 for distribution to Kokolakis Contracting.

Thank you,

DESCRIPTION OF CONTENTS

QTY	DATED	TITLE	NOTES
1	7/24/2025	ASI 013 Drawings.pdf	
1	7/24/2025	AVL-ATCT & TRACON-ASI 013_7.24.2025.pdf	

COPIES:

Ross Joshua (Federal Aviation Administration)

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Architect's Supplemental Instructions

PROJECT: *(name and address)* Greater Asheville Regional Airport Authority Air Traffic Control Tower (ATCT) and Associated Facilities Project 146 Westfeldt Road Mills River, NC 28732	**CONTRACT INFORMATION:** Contract For: Construction Date: December 05, 2022	**ASI INFORMATION:** ASI Number: 0013 Date: July 24, 2025
OWNER: *(name and address)* Greater Asheville Regional Airport Authority 61 Terminal Drive, Suite 1 Fletcher, NC 28732	**ARCHITECT:** *(name and address)* Pond & Company 3500 Parkway Lane, Suite 500 Peachtree Corners, GA 30092	**CONTRACTOR:** *(name and address)* Kokolakis Contracting, Inc. 202 E. Center Street Tarpon Springs, FL 34689

The Contractor shall carry out the Work in accordance with the following supplemental instructions without change in Contract Sum or Contract Time. Proceeding with the Work in accordance with these instructions indicates your acknowledgment that there will be no change in the Contract Sum or Contract Time.
(Insert a detailed description of the Architect's supplemental instructions and, if applicable, attach or reference specific exhibits.)
Information released in ASI 013 includes the location of the Fire Smoke Dampers in the TRACON and the Electric Unit Heaters in the ATCT Tower.

Specifications:

None

Drawings:

M-101 TRACON FLOOR PLAN - HVAC (SHEET 1 OF 9)
- Fire Smoke Dampers

M-111 ATCT FLOOR PLAN - LEVEL 1 - HVAC (SHEET 2 OF 9)
- Unit Heaters in Stairwells

M-112 ATCT FLOOR PLAN - LEVEL 2 - HVAC (SHEET 3 OF 9)
- Unit Heaters in Stairwells

M-601 SCHEDULES - HVAC (SHEET 4 OF 9)
- Electric Unit Heater Schedule

E-105 TRACON MECHANICAL POWER PLAN (SHEET 5 OF 9)
- FSD Junction Box

E-112 ATCT ELECTRICAL PLAN - LEVEL 2 (SHEET 6 OF 9)
- Power to UH-T1

E-612 MECHANICAL EQUIPMENT CONNECTION SCHEDULE (SHEET 7 OF 9)
- UT-T1 & UT-T2 schedule

E-622 PANELBOARD SCHEDULES - TRACON (SHEET 8 OF 9)
- Panel FLSPL

E-627 PANELBOARD SCHEDULES - TOWER (SHEET 9 OF 9)
- Panel EPL1-CAB

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User Notes: (3B9ADA56)

ISSUED BY THE ARCHITECT:

Pond & Company
ARCHITECT *(Firm name)*

SIGNATURE

Jared J. Reynolds, Senior Project Manager
PRINTED NAME AND TITLE

12.05.2024 7-24-25
DATE

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User Notes: (3B9ADA56)

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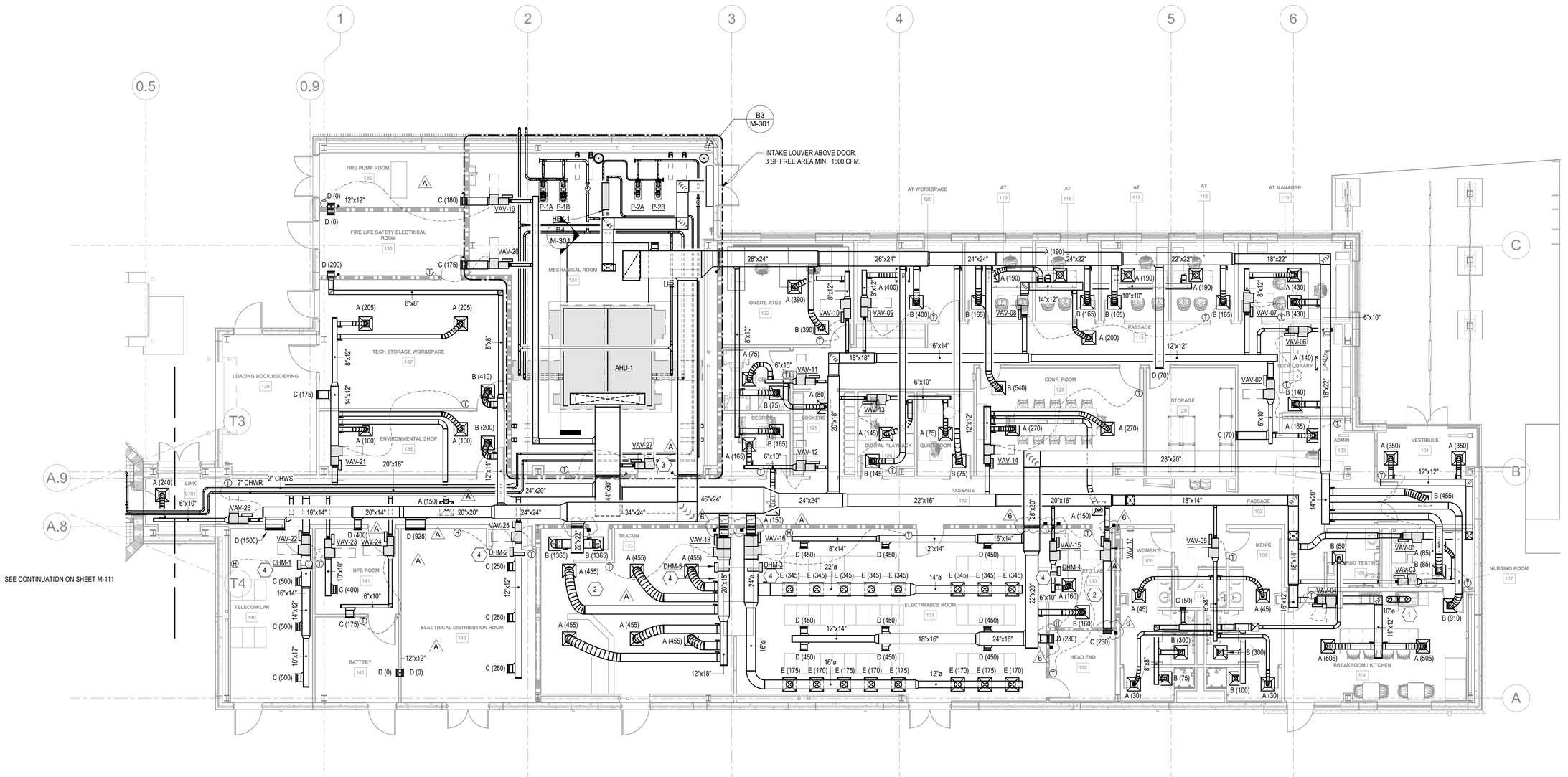
ASI-013 (07/24/2025), ISSUED FOR REVISIONS

KEY NOTES

NUMBER	NOTES
1.	KITCHEN EXHAUST HOOD KH-1 B.O.D. DENLAR MODEL D1036-D-RF-NFPA101. 10" ROUND EXHAUST DUCT UP FROM KH-1 TO EF-2.
2.	AIR DEVICES IN THIS ROOM TO BE BLACK WITH BLACK TRIM. REFERENCE ARCHITECTURAL PLANS.
3.	PROVIDE 1/2"x1/2" WMS OVER OUTLET OF VAV BOX.
4.	DRAIN DUCT HUMIDIFIERS WITH SLOPED CONDENSATE PIPES TO HUB DRAIN IN MECHANICAL ROOM.

SHEET NOTES

A. PROVIDE VOLUME DAMPERS AT ALL BRANCH TAKEOFFS SERVING SINGLE DIFFUSER, GRILLE, OR REGISTER.
B. PROVIDE TURNING VANES IN ALL RECTANGULAR ELBOWS.
C. MAINTAIN MINIMUM 6" CLEARANCE BETWEEN DUCTWORK AND RATED WALLS.
D. COORDINATE DUCTWORK WITH STRUCTURE. PREPARE COORDINATION DRAWINGS AS SPECIFIED. REFER TO STRUCTRUAL DRAWINGS FOR ALL PENETRATIONS.
E. PROVIDE REMOTELY OPERATED DAMPERS FOR ALL NONACCESSIBLE DAMPER LOCATIONS ABOVE HARD CEILINGS. DO NOT PROVIDE ACCESS PANELS WITHIN HARD CEILINGS FOR ACCESS TO MANUAL BALANCING DAMPERS.
F. PROVIDE ALL CODE REQUIRED AND MANUFACTURER RECOMMENDED CLEARANCES FOR ALL EQUIPMENT.
G. PROVIDE FIRE DAMPERS AT FLOOR PENETRATIONS.
H. REFER TO AIR DISTRIBUTION SCHEDULE AND VARIABLE AIR VOLUME TERMINAL UNIT SCHEDULE FOR SIZES ON DUCT RUNOUTS.
I. ALL SUPPLY DUCTS SHALL BE INSULATED ACCORDING TO SPECIFICATIONS UNLESS OTHERWISE NOTIFIED.
J. ALL CHILLED WATER PIPING SHALL BE INSULATED ACCORDING TO SPECIFICATIONS UNLESS OTHERWISE NOTIFIED.



A1 TRACON FLOOR PLAN - LEVEL 1 - HVAC
SCALE: 1/8" = 1'-0"

0 4' 8' 16'
SCALE: 1/8" = 1'-0"

PLAN NORTH

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ISSUED FOR CONSTRUCTION

POND
3500 Parkway Lane
Suite 500
Peachtree Corners
Georgia 30092

6005 Benjamin Rd. Suite A
Tampa, Florida 33634
Tel: 888.891.9713
www.VoltAirInc.com
COA #27158
Project #01.21021

EOR/AOR SEAL

Engineer of Record:
BRYAN R. ZEMINA, P.E. #043561

THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY BRYAN R. ZEMINA, P.E. #043561 USING A DIGITAL SIGNATURE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES

TO THE BEST OF THE ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES

COA STAMP

NORTH CAROLINA PROFESSIONAL SEAL 043561 ENGINEER BRYAN R. ZEMINA

CLIENT INFORMATION

PROJECT NAME

GREATER ASHEVILLE REGIONAL AIRPORT AUTHORITY ATCT & TRACON

146 Westfeldt Rd,
Mills River, NC 28732

DRAWING ISSUE

MARK	REVISION PER FAA DIRECTION	DATE
4	ASI 011	12/27/2024
6	REVISION PER FAA DIRECTION	07/23/2025
A	ISSUED FOR CONSTRUCTION	12/21/2022
B	ISSUED FOR PERMIT 102 & 103	01/23/2024
	DESCRIPTION	DATE

DESIGNED BY:	B.Z.
DRAWN BY:	B.Z.
CHECKED BY:	R.F.W.
SUBMITTED BY:	B.Z.
DATE:	21 DECEMBER 2022
PROJECT #:	1210250

SHEET TITLE

TRACON FLOOR PLAN - LEVEL 1 - HVAC

SENSITIVE SECURITY INFORMATION
CONTROLLED UNDER 49 CFR PARTS 15 AND 1520.

SHEET NUMBER

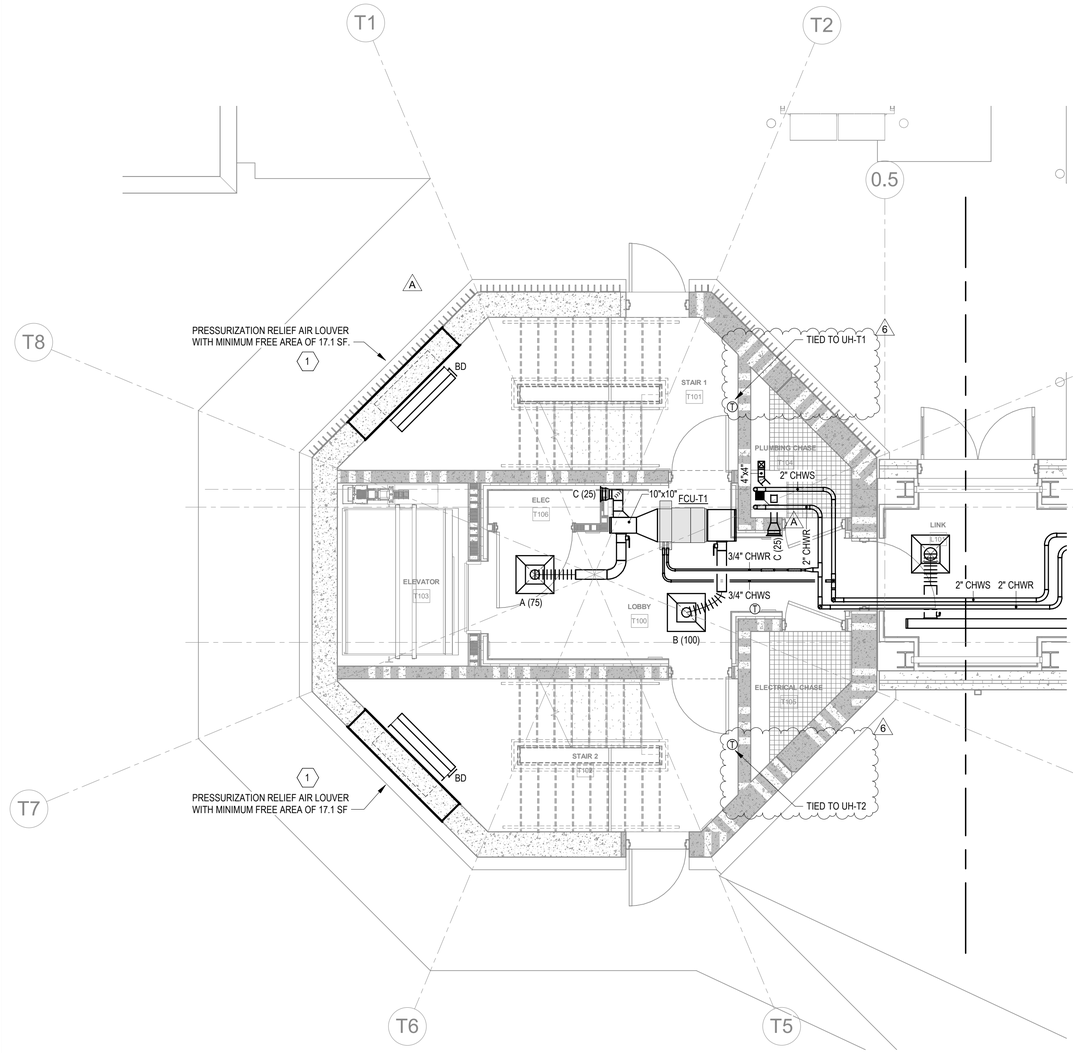
M-101

ORIGINAL SHEET SIZE: 22" X 34"

7/23/2025 10:04:13 AM BIM 360://1210250 AVL ATCT-TRACON/1210250_AVL ATCT-TRACON _MP_FP_v21.rvt

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ASI-013 (07/24/2025), ISSUED FOR REVISIONS



A1 ATCT FLOOR PLAN - LEVEL 1 - HVAC

SCALE: 1/4" = 1'-0"

KEY NOTES

NUMBER	NOTES
1.	REFER TO ARCHITECTURAL PLANS FOR LOUVER SPECIFICATIONS

SHEET NOTES

A. PROVIDE VOLUME DAMPERS AT ALL BRANCH TAKEOFFS SERVING SINGLE DIFFUSER, GRILLE, OR REGISTER.
B. PROVIDE TURNING VANES IN ALL RECTANGULAR ELBOWS.
C. MAINTAIN MINIMUM 6" CLEARANCE BETWEEN DUCTWORK AND RATED WALLS.
D. COORDINATE DUCTWORK WITH STRUCTURE. PREPARE COORDINATION DRAWINGS AS SPECIFIED. REFER TO STRUCTRUAL DRAWINGS FOR ALL PENETRATIONS.
E. PROVIDE REMOTELY OPERATED DAMPERS FOR ALL NONACCESSIBLE DAMPER LOCATIONS ABOVE HARD CEILINGS. DO NOT PROVIDE ACCESS PANELS WITHIN HARD CEILINGS FOR ACCESS TO MANUAL BALANCING DAMPERS.
F. PROVIDE ALL CODE REQUIRED AND MANUFACTURER RECOMMENDED CLEARANCES FOR ALL EQUIPMENT.
G. PROVIDE FIRE DAMPERS AT FLOOR PENETRATIONS.
H. REFER TO AIR DISTRIBUTION SCHEDULE AND VARIABLE AIR VOLUME TERMINAL UNIT SCHEDULE FOR SIZES ON DUCT RUNOUTS.
I. ALL SUPPLY DUCTS SHALL BE INSULATED ACCORDING TO SPECIFICATIONS UNLESS OTHERWISE NOTIFIED.
J. ALL CHILLED WATER PIPING SHALL BE INSULATED ACCORDING TO SPECIFICATIONS UNLESS OTHERWISE NOTIFIED.

SCALE: 1/4" = 1'-0"

PLAN NORTH

POND
3500 Parkway Lane
Suite 500
Peachtree Corners
Georgia 30092

6005 Benjamin Rd. Suite A
Tampa, Florida 33634
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TO THE BEST OF THE ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES

COA STAMP

NORTH CAROLINA PROFESSIONAL SEAL 043561 ENGINEER BRYAN R. ZEMINA

CLIENT INFORMATION

PROJECT NAME

GREATER ASHEVILLE REGIONAL AIRPORT AUTHORITY ATCT & TRACON

146 Westfeldt Rd,
Mills River, NC 28732

DRAWING ISSUE

MARK	DESCRIPTION	DATE
A	REVISION PER FAA DIRECTION	07/23/2025
6	ISSUED FOR CONSTRUCTION	12/21/2022

DESIGNED BY:	B.Z.
DRAWN BY:	B.Z.
CHECKED BY:	R.F.W.
SUBMITTED BY:	B.Z.
DATE:	21 DECEMBER 2022
PROJECT #:	1210250

SHEET TITLE

ATCT FLOOR PLAN - LEVEL 1 - HVAC

SENSITIVE SECURITY INFORMATION

CONTROLLED UNDER 49 CFR PARTS 15 AND 1520.

SHEET NUMBER

M-111

ORIGINAL SHEET SIZE: 22" X 34"

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ASI-013 (07/24/2025), ISSUED FOR REVISIONS

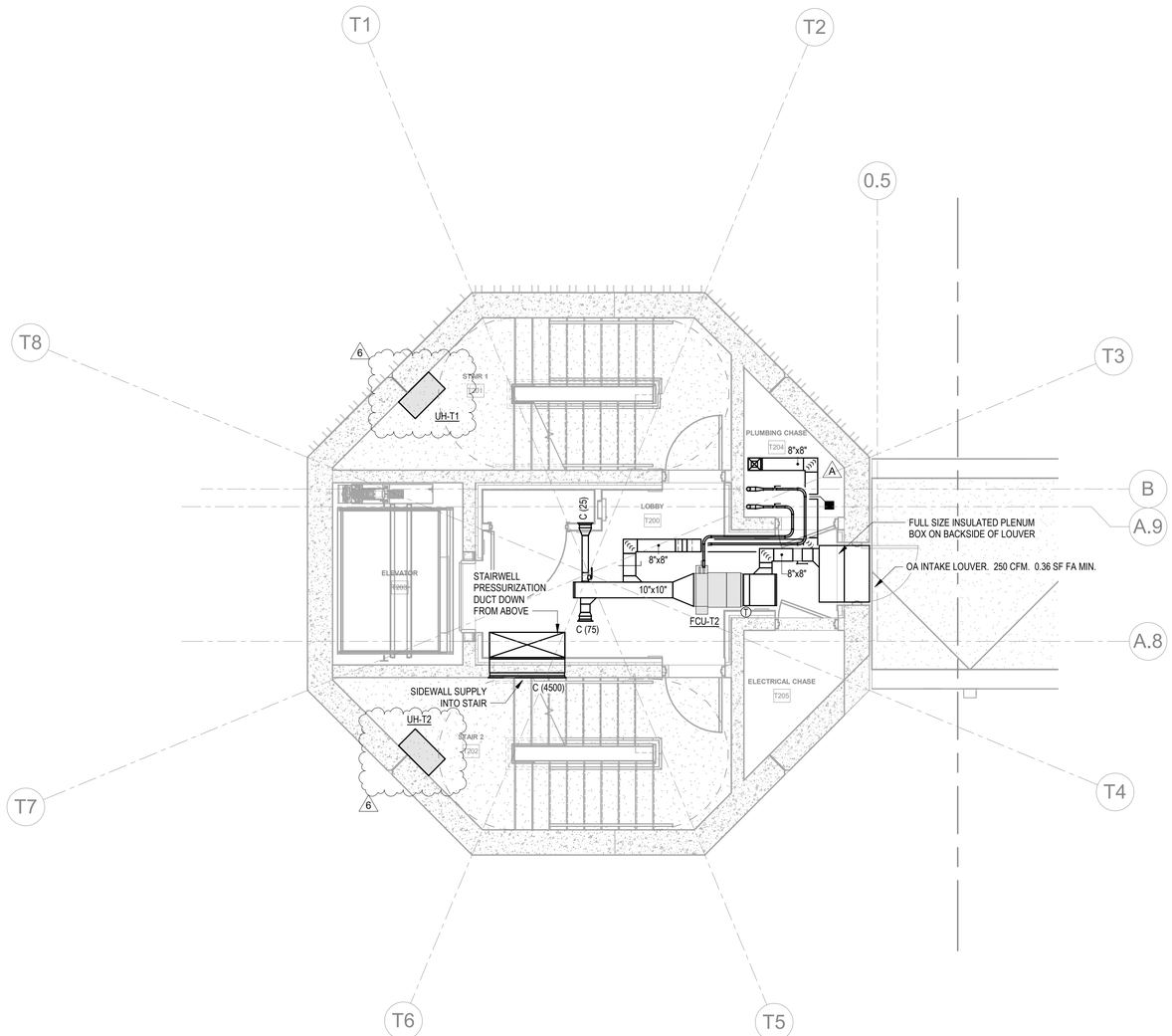
KEY NOTES

NUMBER	NOTES

SHEET NOTES

A. PROVIDE VOLUME DAMPERS AT ALL BRANCH TAKEOFFS SERVING SINGLE DIFFUSER, GRILLE, OR REGISTER.
B. PROVIDE TURNING VANES IN ALL RECTANGULAR ELBOWS.
C. MAINTAIN MINIMUM 6" CLEARANCE BETWEEN DUCTWORK AND RATED WALLS.
D. COORDINATE DUCTWORK WITH STRUCTURE. PREPARE COORDINATION DRAWINGS AS SPECIFIED. REFER TO STRUCTRUAL DRAWINGS FOR ALL PENETRATIONS.
E. PROVIDE REMOTELY OPERATED DAMPERS FOR ALL NONACCESSIBLE DAMPER LOCATIONS ABOVE HARD CEILINGS. DO NOT PROVIDE ACCESS PANELS WITHIN HARD CEILINGS FOR ACCESS TO MANUAL BALANCING DAMPERS.
F. PROVIDE ALL CODE REQUIRED AND MANUFACTURER RECOMMENDED CLEARANCES FOR ALL EQUIPMENT.
G. PROVIDE FIRE DAMPERS AT FLOOR PENETRATIONS.
H. REFER TO AIR DISTRIBUTION SCHEDULE AND VARIABLE AIR VOLUME TERMINAL UNIT SCHEDULE FOR SIZES ON DUCT RUNOUTS.
I. ALL SUPPLY DUCTS SHALL BE INSULATED ACCORDING TO SPECIFICATIONS UNLESS OTHERWISE NOTIFIED.
J. ALL CHILLED WATER PIPING SHALL BE INSULATED ACCORDING TO SPECIFICATIONS UNLESS OTHERWISE NOTIFIED.

(A)



A1 ATCT FLOOR PLAN - LEVEL 2 - HVAC
SCALE: 1/4" = 1'-0"

0 2' 4' 8'
SCALE: 1/4" = 1'-0"

PLAN NORTH

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EOR/AOR SEAL

Engineer of Record:
BRYAN R. ZEMINA, P.E. #043561

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TO THE BEST OF THE ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES

COA STAMP

NORTH CAROLINA PROFESSIONAL SEAL 043561 ENGINEER BRYAN R. ZEMINA

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ATCT FLOOR PLAN - LEVEL 2 - HVAC

SENSITIVE SECURITY INFORMATION
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SHEET NUMBER

M-112

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ASI-013 (07/24/2025), ISSUED FOR REVISIONS

PUMP SCHEDULE

MARK	BASIS OF DESIGN	MODEL NO.	FLOW GPM	HEAD FT	TYPE	IMPELLAR SIZE (DIA.)	NPSHR FT.	% EFF.	VFD YES/NO	TEFC MOTOR HP	MOTOR RPM	VOLTS / PHASE	FLA AMPS	MCA AMPS	SUCT. SIZE	DISCH. SIZE
P-1A	FLO-FAB	2000-F1020A	111.0	70	END SUCTION	-	6.0	71	YES	7.5	1750	480/3	-	-	2.5	2
P-1B	FLO-FAB	2000-F1020A	111.0	70	END SUCTION	-	6.0	71	YES	7.5	1750	480/3	-	-	2.5	2
P-2A	FLO-FAB	PSM05-03-E	25.9	75	VERTICAL INLINE	-	0.9	70	YES	1.5	3450	480/3	-	-	1.25	1.25
P-2B	FLO-FAB	PSM05-03-E	25.9	75	VERTICAL INLINE	-	0.9	70	YES	1.5	3450	480/3	-	-	1.25	1.25

NOTES:
1. PROVIDE 3/4" THICK CLOSED CELL FOAM INSULATION ON CHILLED WATER PIPING AND PUMPS.
2. PROVIDE PREMIUM EFFICIENT TEFC OR TEAO PUMP MOTORS AND PIPING TRAIN WITH ISOLATION VALVES, CHECK VALVE, SUCTION STRAINER, AND PRESSURE GAUGES.
3. PROVIDE START-UP SERVICE BY MANUFACTURER'S REPRESENTATIVE.

ELECTRIC UNIT HEATER

PLAN MARK	HEATER TYPE	MODEL	KW	STEPS	VOLT/ PHASE
UH-T1	WALL-MOUNTED	AMP057	4.3	1	208/1
UH-T2	WALL-MOUNTED	AMP057	4.3	1	208/1

NOTES:
1. BASIS OF DESIGN: MODINE

AIR COOLED SCROLL CHILLER SCHEDULE

MARK	BASIS OF DESIGN	MODEL	NOMINAL TONS	MAX. KW INPUT	IPLV	EER	ELECTRICAL REQUIREMENTS			EVAPORATOR						SCROLL COMPRESSOR		CONDENSER			REFRIG. TYPE
							VOLTS / PHASE	MCA (AMPS)	REC. FUSE (AMPS)	EWT °F	LWT °F	GPM DESIGN	PD. FT. DESIGN	GPM MIN.	PD. FT. MIN. FLOW	QTY.	REF. CIRCUITS	EAT °F	MIN. AMBIENT TEMP. °F	QTY/HP FANS	
CH-1	YORK	YLAA0070SE46XFBBCTX	70.0	82.0	18.0	10.3	460/3	173	175	56.0	42.0	119.8	8.0	60.2	-	-	-	95.0	0	4	R410A
CH-2	YORK	YLAA0070SE46XFBBCTX	70.0	82.0	18.0	10.3	460/3	173	175	56.0	42.0	119.8	8.0	60.2	-	-	-	95.0	0	4	R410A

NOTES:

1. PROVIDE SINGLE POINT 460/3 PHASE POWER CONNECTION FOR EACH CHILLER.
2. PROVIDE A CIRCUIT BREAKER FOR EACH COMPRESSOR ELECTRIC CIRCUIT.
3. PROVIDE LIQUID LINE ISOLATION VALVE, DISCHARGE ISOLATION VALVE, SUCTION ISOLATION VALVE, AND HOT GAS BYPASS ISOLATION VALVES.
4. PROVIDE HOT GAS BYPASS FOR EACH REFRIGERANT CIRCUIT.
5. PROVIDE BACNET MSTP COMMUNICATION MODULE.
6. PROVIDE SOUND ATTENUATION ON EACH COMPRESSOR. SOUND DATA IN ACCORDANCE WITH ARI STANDARD 370 AT 30'.
7. PROVIDE FACTORY MOUNTED AND WIRED EVAPORATOR FLOW PROVING SENSOR.
8. PROVIDE 1-1/2" THICK CLOSED CELL FOAM INSULATION ON BRAZED PLATE EVAPORATOR.
9. PROVIDE 3/4" THICK CLOSED CELL FOAM INSULATION ON CHILLED WATER PIPING AND PUMPS.
10. PROVIDE CHILLER ELECTRICAL CABINET SUITABLE FOR 95 DEGREE AMBIENT OPERATION AND COOLING FAN ALONG WITH LOW AMBIENT OPERATION. CAPABILITY TO 0 DEGREES AMBIENT AND VFD OPERATED CONDENSER FAN FOR LOW AMBIENT CONTROL.
11. PROVIDE CONDENSER COIL AND BASE FRAME GRILLES.
12. PROVIDE PHASE AND UNDER/OVER VOLTAGE PROTECTION.
13. PROVIDE ELECTRONIC EXPANSION VALVE.
14. PROVIDE START-UP SERVICE BY MANUFACTURER'S REPRESENTATIVE.

PLATE / FRAME HEAT EXCHANGER

PLAN MARK	-	HEX-1	
MANUFACTURER / MODEL	-	FLOFAB / PWB 26	
		HOT SIDE (TOWER)	COLD SIDE (CHILLER)
WORKING FLUIDS	-	CHW	CHW
FLOW RATE	GPM	24.7	24.7
MAX. ALLOWED PRESSURE DROP	PSIG	1.352	1.349
ENTERING FLUID TEMP.	°F	58	42
LEAVING FLUID TEMP.	°F	44	56
# OF PASSES / PLATE PATTERN	-	1	1
INLET / OUTLET DIAMETER	IN.	DN50	DN50
INLET / OUTLET MATERIAL	-	AISI 316	
PLATE MATERIAL	-	AISI 316L	
GASKET MATERIAL	-	NBR	
DESIGN / TEST PRESSURE	PSIG	230	
TOTAL HEAT EXCHANGED	MBH	173	
DESIGN TEMPERATURES	°F	0	
ESTIMATED WEIGHT - EMPTY / FLOODED	LBS.	247 / 276	
UNIT LOCATION	-	TRACON MECH. ROOM	

NOTES:
1. PROVIDE FULL MANUAL BYPASS AROUND BOTH HOT AND COLD SIDES.

FAN COIL UNIT SCHEDULE

PLAN MARK	UNIT CONFIGURATION	LOCATION	MODEL NO.	SUPPLY CFM	OA CFM	EXT. SP IN. WG	COOLING COIL DATA										ELECTRIC HEATER		FAN DATA		ELECTRICAL DATA		
							MIN. SEN. MBH	MIN. TOT. MBH	EAT DB	EAT WB	LAT DB	LAT WB	WATER TEMP. °F ENT.	WATER TEMP. °F LVG.	FLOW GPM	MAX △P FEET	kW	△T MIN	HP	FLA	MCA	MOCP	VOLTS/PH/HZ
FCU-T1	HORIZONTAL DUCTED	T100	FHP-D02	100	0	0.5	2.5	3.1	75.0	62.5	51.8	51.3	44.0	58.0	0.5	3.1	1.0	31.6	26 W	-	6.64	15	208/1/60
FCU-T2	HORIZONTAL DUCTED	T200	FHP-D04	250	250	0.5	9.1	14.6	88.2	77.1	51.7	51.4	44.0	58.0	2.3	4.1	1.5	21.1	1/4	0.8	10.01	15	208/1/60
FCU-T4-2	VERTICAL DUCTED	T406	AVD08	880	0	0.5	20.6	24.6	75.0	62.5	53.8	52.8	44.0	58.0	3.5	4.9			1	9.4	11.75	20	208/1/60
FCU-T5-1	HORIZONTAL DUCTED	T500	FHP-D02	100	0	0.5	2.5	3.1	75.0	62.5	51.8	51.3	44.0	58.0	0.5	3.1	1.0	31.6	26 W	-	6.64	15	208/1/60
FCU-T5-2A	VERTICAL DUCTED	T511	AVD16	1200	100	0.5	28.5	34.7	76.11	63.92	53.5	52.5	44.0	58.0	4.9	5.2			1/2	5.0	6.25	15	208/1/60
FCU-T5-2B	VERTICAL DUCTED	T511	AVD16	1200	100	0.5	28.5	34.7	76.11	63.92	53.5	52.5	44.0	58.0	4.9	5.2			1/2	5.0	6.25	15	208/1/60
FCU-T5-3	VERTICAL DUCTED	T511	AVD12	1025	250	0.5	27.8	36.2	78.2	64.8	53.7	52.9	44.0	58.0	5.2	4.8			1	9.4	11.75	20	208/1/60

NOTES:
1. MODEL NUMBERS AND EQUIPMENT SELECTIONS BASED ON YORK.
2. PROVIDE WITH FACTORY INSTALLED SINGLE POWER SOURCE WIRING OPTION.
3. PROVIDE FILTER RACK AND FILTERS.
4. PROVIDE UNIT MOUNTED DISCONNECT SWITCH.
5. PROVIDE STEP DOWN CONTROL TRANSFORMER FOR 24VAC CONTROL.
6. PROVIDE SECONDARY DRAIN PAN.
7. UNIT SHALL HAVE ELASTOMERIC FOAM INSULATION CONSTRUCTION.
8. FCU-T5-2A AND 2B SHALL HAVE MIRRORED END CONNECTIONS AND FILTER ACCESS. FOR EXAMPLE, IF FCU-T5-2A HAS LEFT HAND ACCESS, FCU-T5-2B SHALL HAVE RIGHT HAND ACCESS. REFERENCE FLOOR PLANS.

CHILLED WATER AIR HANDLING UNIT SCHEDULE

PLAN MARK	AREA SERVED	UNIT LOCATION	AIR TUNNEL	AIRFLOWS		SUPPLY FAN									COOLING COIL														UNIT DISCHARGE SOUND DATA PER AHRI 260 (SUPPLY/RETURN)								BASIS OF DESIGN DIMENSIONS			OPERATING WEIGHT (LBS)
				SUPPLY AIR CFM	OUTSIDE AIR CFM	MIN. FAN QTY.	E.S.P. (IN)	T.S.P. (IN)	FAN RPM	MOTOR BHP / HP (PER FAN)	ELEC.	DESIGN VFD SETTING (Hz)	VFD QTY.	VFD LOCATION	COIL QTY.	DESIGN CONDITIONS				CAPACITY		AIR DATA			WATER DATA																	
																ENTERING		LEAVING		TOTAL CAPACITY (MBH)	SENSIBLE CAPACITY (MBH)	MAX. FV (FPM)	MAX ROWS & FINS PER IN	MAX. AIR SP LOSS (IN)	TOTAL GPM	TEMPERATURE		MAX. WATER PD (FT)												
																DB (°F)	WB (°F)	DB (°F)	WB (°F)							ENT (°F)	LVG (°F)		63	125	250	500	1K	2K	4K	8K	H (IN)	W (IN)	L (IN)	
AHU-1	TRACON BUILDING	MECH ROOM	TUNNEL 1	18,500	1,500	2	2.0	4.7	2269	17.76 / 20	480/3/60	60	2	WALL MOUNTED	1	76.1	63.3	52.0	51.5	633.0	483.0	450	5/10	-	91.0	42.0	56.0	8.9	89	91	97	92	91	87	85	84	112	95	79	6,132
			TUNNEL 2	18,500	1,500	2	2.0	4.7	2269	17.76 / 20	480/3/60	60	2	WALL MOUNTED	1	76.1	63.3	52.0	51.5	633.0	483.0	450	5/10	-	91.0	42.0	56.0	8.9	89	91	97	92	91	87	85	84	112	95	79	6,132
AHU-2	ATCT	JUNCTION LVL MECH ROOM	TUNNEL 1	2,800	100	1	2.0	4.0	3528	2.98 / 5	480/3/60	60	1	WALL MOUNTED	1	75.5	62.8	53.6	50.1	63.0	62.0	450	4 / 11	-	8.6	44.0	58.0	5.8	83	78	79	87	85	83	79	76	36	48	110	1,734
			TUNNEL 2	2,800	100	1	2.0	4.0	3528	2.98 / 5	480/3/60	60	1	WALL MOUNTED	1	75.5	62.8	53.6	50.1	63.0	62.0	450	4 / 11	-	8.6	44.0	58.0	5.8	83	78	79	87	85	83	79	76	36	48	110	1,734

GENERAL NOTES

1. BASIS OF DESIGN: YORK
2. REFERENCE DETAILS AND SPECIFICATIONS FOR UNIT COMPONENTS IN DIRECTION OF AIRFLOW.
3. PROVIDE INTEGRAL FLUSH MOUNTED FILTER GAUGE.
4. EXTERNAL STATIC AIR PRESSURE LOSS EXCLUDES ALL FILTERS. SIZE ALL FANS FOR TOTAL STATIC PRESSURE LOSS. INCLUDE MID-LIFE FILTER CONDITION FOR EACH FILTER BANK: 0.5" FOR MERV 8, 1.0" FOR MERV 14.
5. FAN AND HYDRONIC COILS SHALL UNLOAD DOWN TO 30% OF LISTED CAPACITY WITHOUT CROSSING THE UNSTABLE LINE ON THE FAN CURVE OR ENTERING LAMINAR FLOW.
6. PROVIDE WITH UNIT MOUNTED OUTSIDE AIR AND RETURN AIR DAMPERS UNLESS OTHERWISE SHOWN ON ENLARGED PLANS.
7. COORDINATE UNIT SECTION DIMENSIONS, HANDING, FAN DISCHARGE ORIENTATION, PIPING AND ELECTRICAL CONNECTION WITH ACTUAL FIELD CONDITIONS.
8. VARIABLE FREQUENCY DRIVES PROVIDED FOR AIR HANDLING UNITS SHALL MATCH MAKE AND MODEL OF VARIABLE FREQUENCY DRIVES PROVIDED FOR ANY OTHER DIVISION 23 EQUIPMENT WITH VFDs.
9. REFER TO ELECTRICAL DRAWINGS AND COORDINATE FINAL LOCATIONS OF VARIABLE FREQUENCY DRIVES WITH OTHER TRADES.
10. PROVIDE DEDICATED 120/1 V CIRCUIT TO EACH AHU FOR POWER TO THE INTEGRAL WORKING LIGHTS.

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EOR/AOR SEAL

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COA STAMP

NORTH CAROLINA PROFESSIONAL SEAL 043561 ENGINEER BRYAN R. ZEMINA

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SCHEDULES - HVAC

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SHEET NUMBER

M-601

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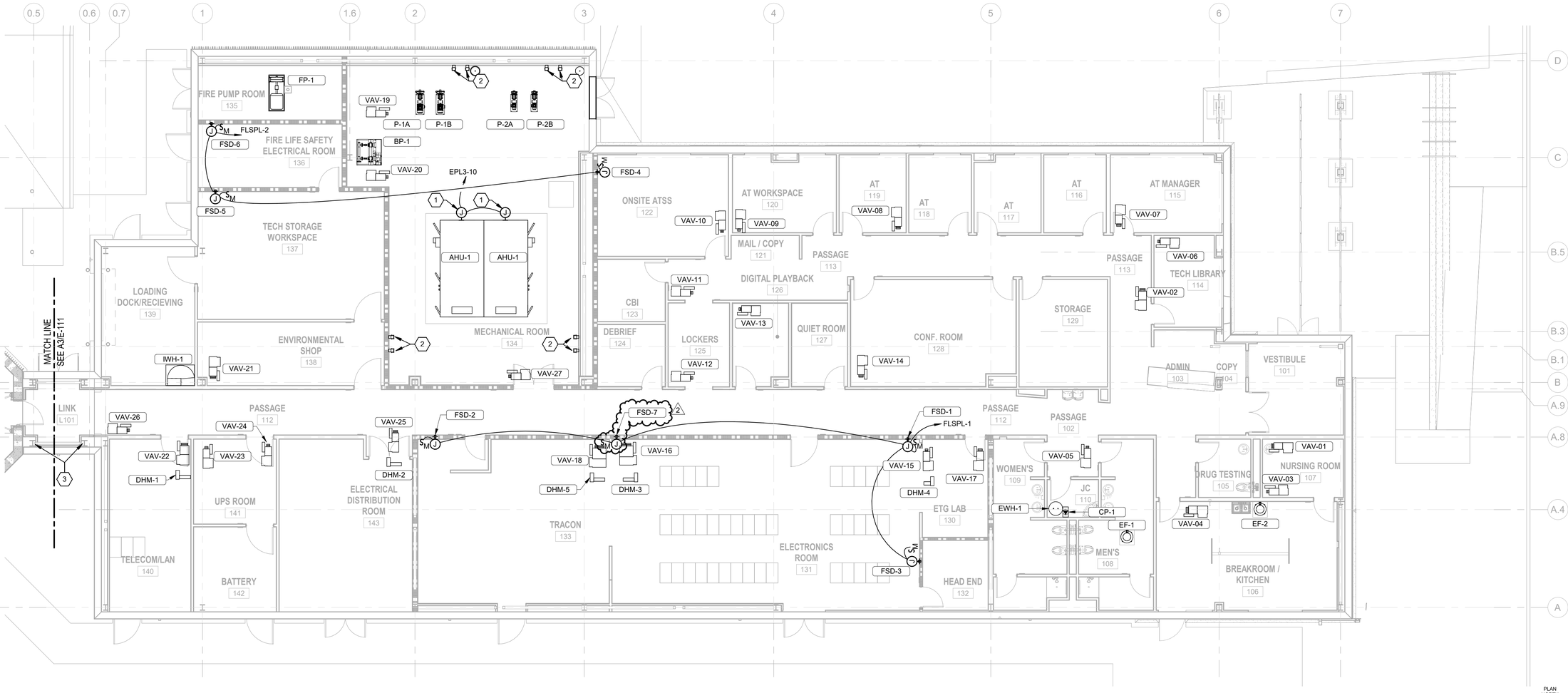
ASI-013 (07/24/2025), ISSUED FOR REVISIONS

KEYNOTES

1. 120V/1P POWER FOR AHU INTEGRAL LIGHTS.
2. DIVISION 23 PROVIDED VFD. COORDINATE MECHANICAL UNIT CONNECTIONS WITH INSTALLER.
3. PROVIDE EXPANSION FITTINGS FOR ALL RACEWAYS PASSING THROUGH THE BUILDING EXPANSION JOINTS AND FOR CONDUIT RUNS LONGER THAN 300 FEET. USE OF FLEXIBLE CONDUIT DOES NOT CONSTITUTE AN EXPANSION JOINT UNLESS EXPLICTLY LISTED FOR USE AS AN EXPANSION FITTING.

SHEET NOTES

1. REFER TO E-001, E-002, AND E-003 FOR GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS.



A1 TRACON MECHANICAL POWER PLAN

SCALE: 1/8" = 1'-0"

0 4' 8' 16'

SCALE: 1/8" = 1'-0"

PLAN NORTH

TRUE NORTH

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EOR/AOR SEAL

COA STAMP

CLIENT INFORMATION

Asheville REGIONAL AIRPORT

PROJECT NAME

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146 WESTFELDT RD, MILLS RIVER, NC 28732

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TRACON MECHANICAL POWER PLAN

FOR OFFICIAL USE ONLY

PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

SHEET NUMBER

E-105

ORIGINAL SHEET SIZE: 22" X 34"

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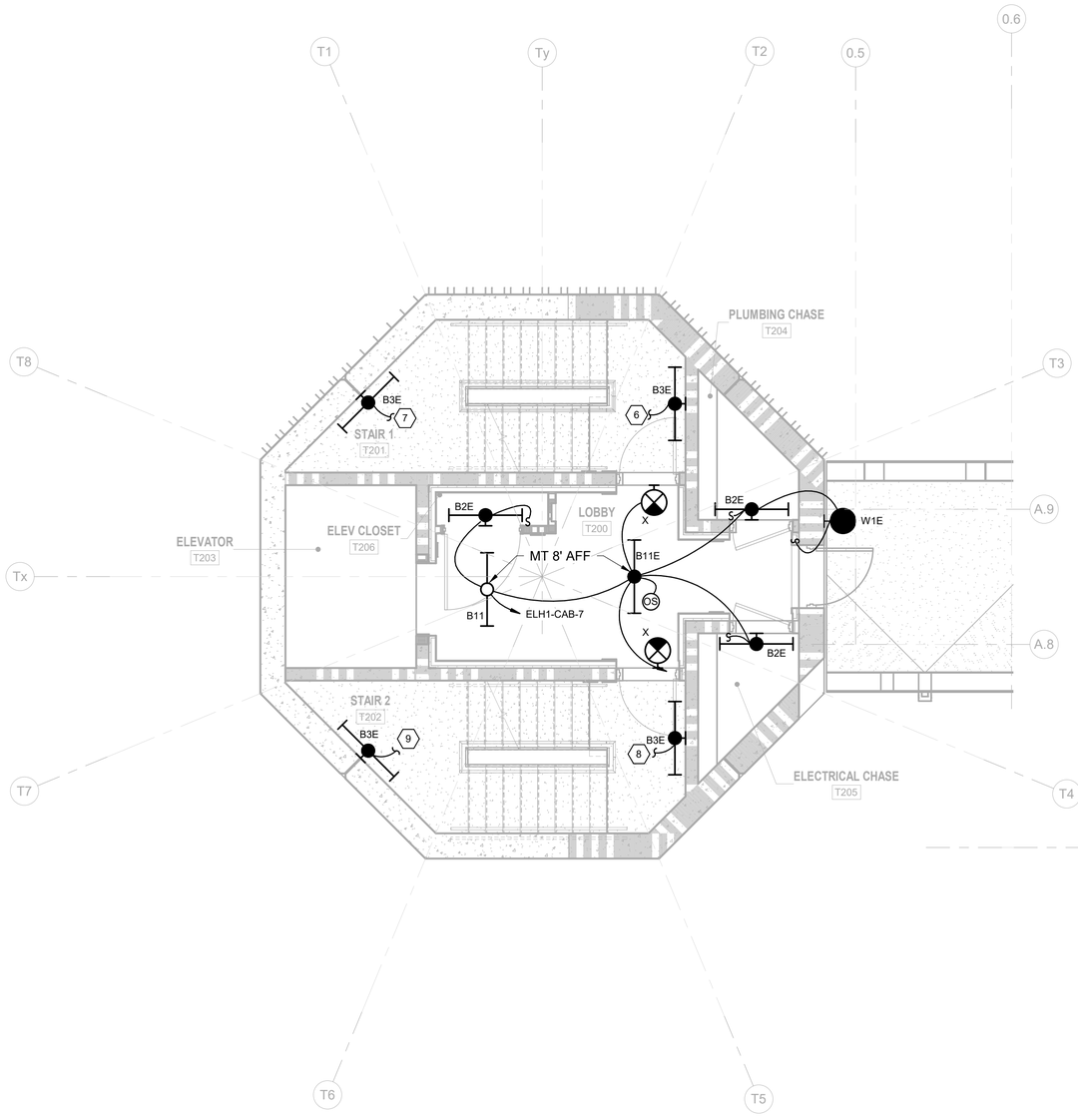
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KEYNOTES (#)

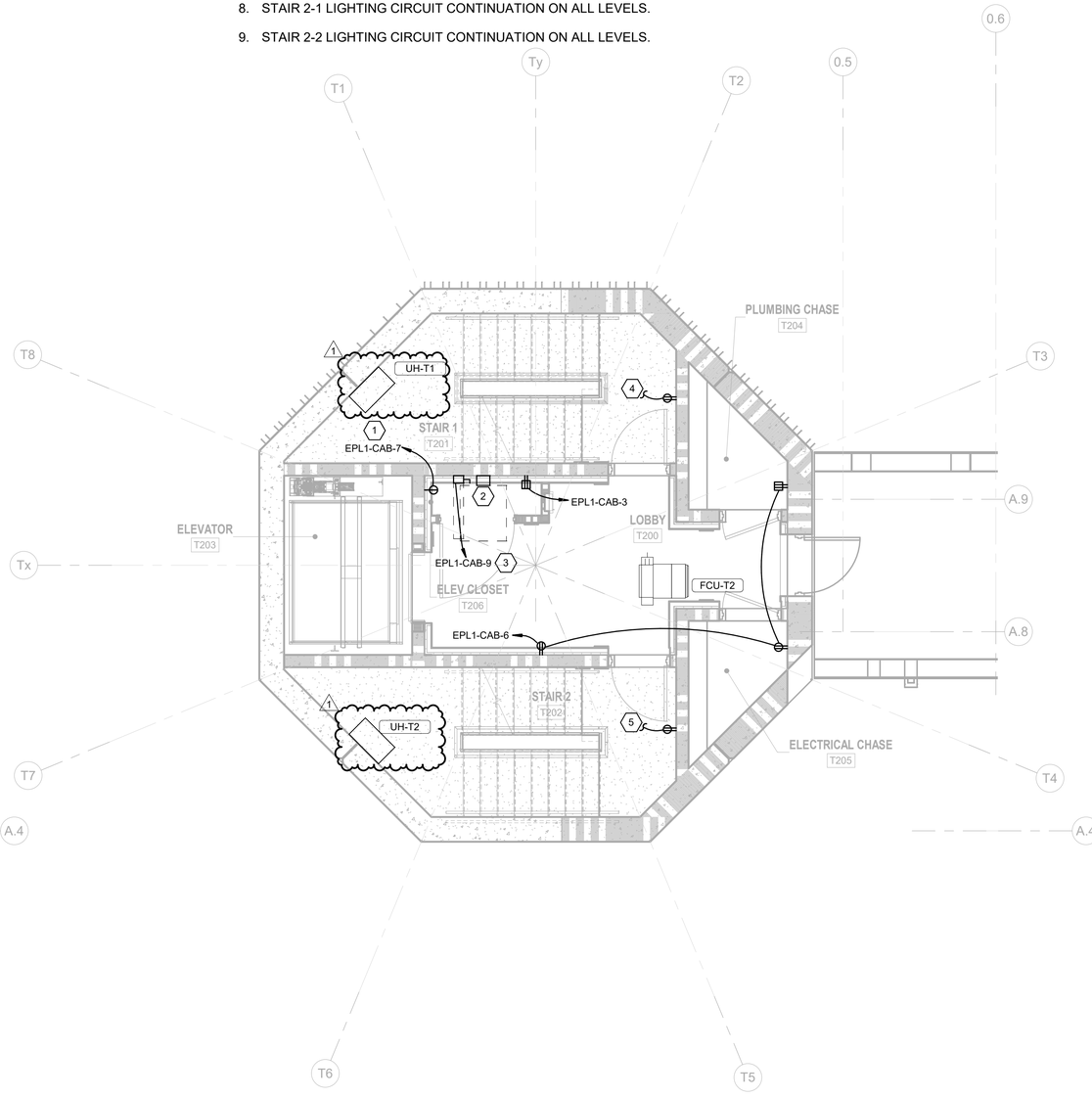
1. 120V/1P POWER FOR OIL/WATER MONITOR. COORDINATE INSTALLATION WITH ELEVATOR INSTALLER.
2. ENCLOSED SHUNT TRIP CIRCUIT BREAKER FOR ELEVATOR. COORDINATE WITH ELEVATOR INSTALLER FOR FINAL LOCATION.
3. DISCONNECT FOR ELEVATOR CAB LIGHTS. COORDINATE WITH ELEVATOR INSTALLER FOR FINAL LOCATION.
4. STAIR 1 RECEPTACLE CIRCUIT CONTINUATION ON LEVELS 1, 2, & 3.
5. STAIR 2 RECEPTACLE CIRCUIT CONTINUATION ON LEVELS 1, 2, & 3.
6. STAIR 1-1 LIGHTING CIRCUIT CONTINUATION ON ALL LEVELS.
7. STAIR 1-2 LIGHTING CIRCUIT CONTINUATION ON ALL LEVELS.
8. STAIR 2-1 LIGHTING CIRCUIT CONTINUATION ON ALL LEVELS.
9. STAIR 2-2 LIGHTING CIRCUIT CONTINUATION ON ALL LEVELS.

SHEET NOTES

1. REFER TO E-001, E-002, AND E-003 FOR GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS.
2. REFER TO E-404 FOR STAIRWELL LIGHTING ELEVATIONS.



A1 ATCT LIGHTING PLAN - LEVEL 2
SCALE: 1/4" = 1'-0"



A3 ATCT POWER PLAN - LEVEL 2
SCALE: 1/4" = 1'-0"

0 2' 4' 8'
SCALE: 1/4" = 1'-0"

PLAN NORTH
1/4" = 1'-0"

POND
3500 Parkway Lane
Suite 500
Peachtree Corners
Georgia 30092

EOR/AOR SEAL

COA STAMP

CLIENT INFORMATION

Asheville REGIONAL AIRPORT

PROJECT NAME

GREATER ASHEVILLE REGIONAL AIRPORT AUTHORITY ATCT & TRACON

146 WESTFELDT RD, MILLS RIVER, NC 28732

DRAWING ISSUE

MARK	DESCRIPTION	DATE
1	REVISION PER FAA DIRECTION	07/24/2025
A	ISSUED FOR CONSTRUCTION	12/21/2022

DESIGNED BY:	BWE
DRAWN BY:	TCB
CHECKED BY:	JMS
SUBMITTED BY:	RCJ
DATE:	21 DECEMBER 2022
PROJECT #:	1210250

SHEET TITLE

ATCT ELECTRICAL PLAN - LEVEL 2

FOR OFFICIAL USE ONLY
PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

SHEET NUMBER

E-112

ORIGINAL SHEET SIZE: 22" X 34"

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ISSUED FOR CONSTRUCTION

7/24/2025 11:31:18 AM BIM 360://1210250 AVL ATCT-TRACON/1210250_AVL ATCT-TRACON_ELEC_v21.rvt

ASI-013 (07/24/2025), ISSUED FOR REVISIONS

MECHANICAL EQUIPMENT CONNECTION SCHEDULE

UNIT	VOLTAGE	NUMBER OF POLES	KVA	MCA	HP	STARTER	DISCONNECT	FEEDER SIZE	PANEL	CIRCUIT	LOCATION		NOTES
											NUMBER	NAME	
AHU-1A1	480 V	3	22.45 kVA	33.8 A	20	DIV 23	60/50/3/1	3#6&1#8G-1"C	EDPH1	1,3,5	134	MECHANICAL ROOM	
AHU-1A2	480 V	3	22.45 kVA	33.8 A	20	DIV 23	60/50/3/1	3#6&1#8G-1"C	EDPH1	2,4,6	134	MECHANICAL ROOM	
AHU-1B1	480 V	3	22.45 kVA	33.8 A	20	DIV 23	60/50/3/1	3#6&1#8G-1"C	EDPH1	7,9,11	134	MECHANICAL ROOM	
AHU-1B2	480 V	3	22.45 kVA	33.8 A	20	DIV 23	60/50/3/1	3#6&1#8G-1"C	EDPH1	8,10,12	134	MECHANICAL ROOM	
AHU-2A	480 V	3	6.33 kVA	9.5 A	5	DIV 23	30/12/3/1	3#12&1#12G-3/4"C	EDPH1-CAB	6	T511	MECHANICAL	
AHU-2B	480 V	3	6.33 kVA	9.5 A	5	DIV 23	30/12/3/1	3#12&1#12G-3/4"C	EDPH1-CAB	5	T511	MECHANICAL	
BP-1	480 V	3	6.33 kVA		5		30/20/3/1	3#12&1#12G-3/4"C	EDPH1	67,69,71	134	MECHANICAL ROOM	
CH-1	480 V	3	118.39 kVA	173.0 A		INTEGRAL	200/175/3/3R	3-4/0&1#2G-2 1/2"C	EDPH	9		MECH YARD	
CH-2	480 V	3	118.39 kVA	173.0 A		INTEGRAL	200/175/3/3R	3-4/0&1#2G-2 1/2"C	EDPH	10		MECH YARD	
CP-1	120 V	1	1.00 kVA	10.4 A			MRS	2#12&1#12G-3/4"C	EPL5	35	110	JC	
CP-2	120 V	1	1.00 kVA	10.4 A			MRS	2#12&1#12G-3/4"C	EPL3-CAB	15	T510	JC	
DHM-1	480 V	3	5.00 kVA	7.5 A			30/10/3/1	3#12&1#12G-3/4"C	EDPH1	43,45,47	140	TELECOM/LAN	
DHM-2	480 V	3	5.00 kVA	7.5 A			30/10/3/1	3#12&1#12G-3/4"C	EDPH1	49,51,53	143	ELECTRICAL DISTRIBUTION ROOM	
DHM-3	480 V	3	5.00 kVA	7.5 A			30/10/3/1	3#12&1#12G-3/4"C	EDPH1	55,57,59	131	ELECTRONICS ROOM	
DHM-4	480 V	3	5.00 kVA	7.5 A			30/10/3/1	3#12&1#12G-3/4"C	EDPH1	61,63,65	130	ETG LAB	
DHM-5	480 V	3	5.00 kVA	7.5 A			30/10/3/1	3#12&1#12G-3/4"C	EDPH1	79,81,83	131	ELECTRONICS ROOM	
DHM-T5-1	480 V	3	5.00 kVA	7.5 A			30/10/3/1	3#12&1#12G-3/4"C	EDPH1-CAB	4	T511	MECHANICAL	
DHM-T5-2	480 V	3	5.00 kVA	7.5 A			30/10/3/1	3#12&1#12G-3/4"C	EDPH1-CAB	7	T511	MECHANICAL	
EDH-T5-1	480 V	3	30.00 kVA	45.1 A			60/50/3/1	3#6&1#8G-1"C	EDPH1-CAB	3	T511	MECHANICAL	
EDH-T5-2	480 V	3	12.50 kVA	18.8 A			30/20/3/1	3#8&1#8G-1"C	EDPH1-CAB	8	T511	MECHANICAL	
EF-1	208 V	2	0.03 kVA		1/3		DIV 23	2#12&1#12G-3/4"C	EPL5	45,47		ROOF	
EF-2	120 V	1	0.03 kVA				DIV 23	2#12&1#12G-3/4"C	EPL5	43		ROOF	
EF-T5	120 V	1	0.03 kVA	1.0 A			DIV 23	2#12&1#12G-3/4"C	EPL3-CAB	21	T511	MECHANICAL	
EWH-1	480 V	3	4.50 kVA	5.4 A			30/10/3/1	3#12&1#12G-3/4"C	EDPH1	25,27,29	110	JC	
EWH-2	480 V	3	4.50 kVA	5.4 A			30/10/3/1	3#12&1#12G-3/4"C	EDPH1-CAB	2	T510	JC	
FCU-T1	208 V	2	1.10 kVA	6.6 A		DIV 23	DIV 23	2#12&1#12G-3/4"C	EPL1-CAB	12,14	T100	LOBBY	
FCU-T2	208 V	2	1.10 kVA	6.6 A		DIV 23	DIV 23	2#12&1#12G-3/4"C	EPL1-CAB	15,17	T200	LOBBY	
FCU-T4-2	208 V	2	1.96 kVA	11.8 A		DIV 23	DIV 23	2#12&1#12G-3/4"C	EPL2-CAB	6,8	T406	UTILITY ACCESS	
FCU-T5-1	208 V	2	1.96 kVA	11.8 A		DIV 23	DIV 23	2#10&1#10G-3/4"C	EPL3-CAB	16,18	T500	LOBBY	
FCU-T5-2A	208 V	2	1.04 kVA	6.3 A		DIV 23	DIV 23	2#12&1#12G-3/4"C	EPL3-CAB	17,19	T511	MECHANICAL	
FCU-T5-2B	208 V	2	1.04 kVA	6.3 A		DIV 23	DIV 23	2#12&1#12G-3/4"C	EPL3-CAB	12,14	T511	MECHANICAL	
FCU-T5-3	208 V	2	1.96 kVA	11.8 A		DIV 23	DIV 23	2#12&1#12G-3/4"C	EPL3-CAB	29,31	T511	MECHANICAL	
IWH-1	480 V	3	75.00 kVA	112.8 A			200/125/3/1	3#1&1#4G-1 1/2"C	EDPH1	73,75,77	139	LOADING DOCK	
JOCKEY PUMP	480 V	3	3.00 kVA			DIV 21 - CONTROLLER	DIV 21 - CONTROLLER	3#12&1#12G-3/4"C	FLSDPH1	7,9,11	135	FIRE PUMP ROOM	
KH-1	120 V	1	0.50 kVA			DIV 23 - INTEGRAL	DIV 23	2#12&1#12G-3/4"C	EPL5	11	106	BREAKROOM / KITCHEN	
P-1A	480 V	3	9.15 kVA	13.8 A	7.5	DIV 23	30/20/3/1	3#12&1#12G-3/4"C	EDPH1	13,15,17	134	MECHANICAL ROOM	
P-1B	480 V	3	9.15 kVA	13.8 A	7.5	DIV 23	30/20/3/1	3#12&1#12G-3/4"C	EDPH1	14,16,18	134	MECHANICAL ROOM	
P-2A	480 V	3	2.50 kVA	3.8 A	1.5	DIV 23	30/5/3/1	3#12&1#12G-3/4"C	EDPH1	19,21,23	134	MECHANICAL ROOM	
P-2B	480 V	3	2.50 kVA	3.8 A	1.5	DIV 23	30/5/3/1	3#12&1#12G-3/4"C	EDPH1	20,22,24	134	MECHANICAL ROOM	
SF-T1	480 V	3	6.33 kVA	9.5 A	5	DIV 23	30/20/3/1	3#12&1#12G-3/4"C	FLSDPH1-CAB	2	T2A0	SPF ACCESS	
SF-T2	480 V	3	6.33 kVA	9.5 A	5	DIV 23	30/20/3/1	3#12&1#12G-3/4"C	FLSDPH1-CAB	3	T3A0	SPF ACCESS	
SP-1	120 V	1	1.00 kVA			DIV 23	SIMPLEX	2#12&1#12G-3/4"C	EPL1-CAB	16	T104	PLUMBING CHASE	
SP-2	120 V	1	1.00 kVA			DIV 23	SIMPLEX	2#12&1#12G-3/4"C	EPL1-CAB	18	T104	PLUMBING CHASE	
UH-T1	208 V	2	4.30 kVA	25.8 A		DIV 23	30/30/2/1	2#10&1#10G-3/4"C	EPL1-CAB	23,25	T201	STAIR 1	
UH-T2	208 V	2	4.30 kVA	25.8 A		DIV 23	30/30/2/1	2#10&1#10G-3/4"C	EPL1-CAB	27,29	T202	STAIR 2	
VAV-1	277 V	1	2.00 kVA	9.0 A			MRS	2#10&1#10G-3/4"C	EDPH1	28	107	NURSING ROOM	2
VAV-2	277 V	1	2.50 kVA	11.3 A			MRS	2#10&1#10G-3/4"C	EDPH1	28	113	PASSAGE	
VAV-3	277 V	1	1.00 kVA	6.8 A			MRS	2#10&1#10G-3/4"C	EDPH1	26	107	NURSING ROOM	
VAV-4	277 V	1	4.00 kVA	18.0 A			MRS	2#10&1#10G-3/4"C	EDPH1	30	106	BREAKROOM	
VAV-5	277 V	1	1.00 kVA	4.5 A			MRS	2#10&1#10G-3/4"C	EDPH1	32	102	PASSAGE	
VAV-6	277 V	1	1.50 kVA	6.8 A			MRS	3#10&1#10G-3/4"C	EDPH1	34	114	TECH LIBRARY	
VAV-7	277 V	1	2.00 kVA	9.0 A			MRS	2#10&1#10G-3/4"C	EDPH1	34	115	AT MANAGER	
VAV-8	277 V	1	4.00 kVA	18.1 A			MRS	2#10&1#10G-3/4"C	EDPH1	36	119	AT	
VAV-9	277 V	1	1.50 kVA	6.8 A			MRS	2#10&1#10G-3/4"C	EDPH1	36	120	AT WORKSPACE	
VAV-10	277 V	1	1.50 kVA	6.8 A			MRS	2#10&1#10G-3/4"C	EDPH1	38	122	ONSITE ATSS	
VAV-11	277 V	1	1.00 kVA	4.5 A			MRS	2#10&1#10G-3/4"C	EDPH1	38	113	PASSAGE	
VAV-12	277 V	1	1.00 kVA	4.5 A			MRS	2#10&1#10G-3/4"C	EDPH1	38	125	LOCKERS	
VAV-13	277 V	1	1.00 kVA	4.5 A			MRS	2#10&1#10G-3/4"C	EDPH1	40	126	DIGITAL PLAYBACK	
VAV-14	277 V	1	2.50 kVA	11.3 A			MRS	2#10&1#10G-3/4"C	EDPH1	40	128	CONF. ROOM	
VAV-15	277 V	1	1.00 kVA	4.5 A			MRS	2#10&1#10G-3/4"C	EDPH1	42	130	ETG LAB	
VAV-16	480 V	3	16.00 kVA	24.1 A			30/30/3/1	3#10&1#10G-3/4"C	EDPH1	44,46,48	131	ELECTRONICS ROOM	
VAV-17	277 V	1	2.50 kVA	11.3 A			MRS	2#10&1#10G-3/4"C	EDPH1	42	130	ETG LAB	
VAV-18	480 V	3	11.00 kVA	16.5 A			30/20/3/1	3#10&1#10G-3/4"C	EDPH1	50,52,54	133	TRACON	
VAV-19	277 V	1	2.00 kVA	9.0 A			MRS	2#10&1#10G-3/4"C	EDPH1	56	135	FIRE PUMP ROOM	
VAV-20	277 V	1	1.00 kVA	4.5 A			MRS	2#10&1#10G-3/4"C	EDPH1	58	134	MECHANICAL	
VAV-21	277 V	1	4.00 kVA	18.1 A			MRS	2#10&1#10G-3/4"C	EDPH1	60	138	ENVIRONMENTAL SHOP	
VAV-22	480 V	3	6.00 kVA	9.0 A			30/15/3/1	3#10&1#10G-3/4"C	EDPH1	64,66,68	140	BATTERY	
VAV-23	277 V	1	2.00 kVA	9.0 A			MRS	2#10&1#10G-3/4"C	EDPH1	62	141	UPS ROOM	
VAV-24	277 V	1	1.00 kVA	4.5 A			MRS	2#10&1#10G-3/4"C	EDPH1	62	141	UPS ROOM	
VAV-25	277 V	1	3.00 kVA	13.5 A			MRS	2#10&1#10G-3/4"C	EDPH1	70	143	ELECTRICAL DISTRIBUTION ROOM	
VAV-26	277 V	1	1.00 kVA	4.5 A			MRS	2#10&1#10G-3/4"C	EDPH1	72	112	PASSAGE	
VAV-27	277 V	1	3.00 kVA	13.5 A			MRS	2#10&1#10G-3/4"C	EDPH1	72	134	MECHANICAL	

NOTES:
1. ALL CONDUCTORS THAT TERMINATE MECHANICAL OR PLUMBING EQUIPMENT SHALL BE COPPER. THE USE OF ALUMINUM CONDUCTORS TO FEED THIS EQUIPMENT IS NOT PERMITTED.

SHEET NOTES

1. REFER TO E-001, E-002, AND E-003 FOR ELECTRICAL GENERAL NOTES, ABBREVIATIONS & LEGEND.

POND
3500 Parkway Lane
Suite 500
Peachtree Corners
Georgia 30092

EOR/AOR SEAL

COA STAMP

CLIENT INFORMATION

Asheville REGIONAL AIRPORT

PROJECT NAME

GREATER ASHEVILLE REGIONAL AIRPORT AUTHORITY ATCT & TRACON

146 WESTFELDT RD, MILLS RIVER, NC 28732

DRAWING ISSUE

MARK	DESCRIPTION	DATE
1	ISSUED FOR CONSTRUCTION	12/27/2024
2	REVISION PER FAA DIRECTION	07/24/2025
4	ASI 011	12/21/2022

DESIGNED BY:	BWE
DRAWN BY:	TCB
CHECKED BY:	JMS
SUBMITTED BY:	RCJ
DATE:	21 DECEMBER 2022
PROJECT #:	1210250

SHEET TITLE

MECHANICAL EQUIPMENT CONNECTION SCHEDULE

FOR OFFICIAL USE ONLY

PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

SHEET NUMBER

E-612

ORIGINAL SHEET SIZE: 22" X 34"

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ISSUED FOR CONSTRUCTION

7/24/2025 11:31:18 AM BIM 360://1210250 AVL ATCT-TRACON/1210250_AVL_ATCT-TRACON_ELEC_v21.rvt

PANELBOARD SCHEDULE: EDPH1

LOCATION: MECHANICAL ROOM 134
SUPPLY FROM: EDPH
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

MAINS RATING: 600A MCB
VOLTAGE: 480Y/277
PHASES: 3
WIRES: 4

MINIMUM BREAKER SCCR: 35,000

	CKT	CIRCUIT DESCRIPTION	TRIP	POLE	CONNECTED LOAD KVA A		CONNECTED LOAD KVA B		CONNECTED LOAD KVA C		POLE	TRIP	CIRCUIT DESCRIPTION	CKT	
	1	AHU-1A1	60 A	3	7.48	7.48					3	60 A	AHU-1A2	2	
--	3	--	--	--			7.48	7.48			--	--	--	4	--
--	5	--	--	--					7.48	7.48	--	--	--	6	--
	7	AHU-1B1	60 A	3	7.48	7.48					3	60 A	AHU-1B2	8	
--	9	--	--	--			7.48	7.48			--	--	--	10	--
--	11	--	--	--					7.48	7.48	--	--	--	12	--
	13	P-1A	25 A	3	3.05	3.05					3	25 A	P-1B	14	
--	15	--	--	--			3.05	3.05			--	--	--	16	--
--	17	--	--	--					3.05	3.05	--	--	--	18	--
	19	P-2A	15 A	3	0.83	0.83					3	15 A	P-2B	20	
--	21	--	--	--			0.83	0.83			--	--	--	22	--
--	23	--	--	--					0.83	0.83	--	--	--	24	--
	25	EWH-1	15 A	3	1.50	3.00					1	20 A	VAV-1,3	26	
--	27	--	--	--			1.50	2.50			1	30 A	VAV-2	28	
--	29	--	--	--					1.50	4.00	1	30 A	VAV-4	30	
	31	SCISSOR LIFT	20 A	3	2.16	1.00					1	20 A	VAV-5	32	
--	33	--	--	--			2.16	3.50			1	20 A	VAV-6,7	34	
--	35	--	--	--					2.16	5.50	1	20 A	VAV-8,9	36	
	37					3.50					1	20 A	VAV-10,11,12	38	
	39						3.50				1	20 A	VAV-13,14	40	
	41									3.50	1	20 A	VAV-15,17	42	
		TOTAL LOAD:			100.64		101.64		109.14				**TOTAL CONNECTED CURRENT:**	375 A	
													TOTAL EST. DESIGN CURRENT:	431 A	

NOTES: EDPH1 SECTION 1 OF 2

PANELBOARD SCHEDULE: EDPH1

LOCATION: MECHANICAL ROOM 134
SUPPLY FROM: EDPH1
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

MAINS RATING: 600A MCB
VOLTAGE: 480Y/277
PHASES: 3
WIRES: 4

MINIMUM BREAKER SCCR: (SECOND SECTION)

	CKT	CIRCUIT DESCRIPTION	TRIP	POLE	CONNECTED LOAD KVA A		CONNECTED LOAD KVA B		CONNECTED LOAD KVA C		POLE	TRIP	CIRCUIT DESCRIPTION	CKT	
	43	DHM-1	15 A	3	1.67	5.33					3	30 A	VAV-16	44	
--	45	--	--	--			1.67	5.33			--	--	--	46	--
--	47	--	--	--					1.67	5.33	--	--	--	48	--
	49	DHM-2	15 A	3	1.67	3.67					3	20 A	VAV-18	50	
--	51	--	--	--			1.67	3.67			--	--	--	52	--
--	53	--	--	--					1.67	3.67	--	--	--	54	--
	55	DHM-3	15 A	3	1.67	2.00					1	20 A	VAV-19	56	
--	57	--	--	--			1.67	1.00			1	20 A	VAV-20	58	
--	59	--	--	--					1.67	4.00	1	20 A	VAV-21	60	
	61	DHM-4	15 A	3	1.67	3.00					1	20 A	VAV-23,24	62	
--	63	--	--	--			1.67	2.00			3	20 A	VAV-22	64	
--	65	--	--	--					1.67	2.00	--	--	--	66	--
	67	DWBP	20 A	3	2.11	2.00					--	--	--	68	--
--	69	--	--	--			2.11	3.00			1	20 A	VAV-25	70	
--	71	--	--	--					2.11	4.00	1	20 A	VAV-26, 27	72	
	73	IWH-1	125 A	3	25.00	0.33					3	20 A	OHD 139	74	
--	75	--	--	--			25.00	0.33			--	--	--	76	--
--	77	--	--	--					25.00	0.33	--	--	--	78	--
	79	DHM-5	15 A	3	1.67	0.00					3	60 A	EDPH1-FB	80	
--	81	--	--	--			1.67	0.00			--	--	--	82	--
--	83	--	--	--					1.67	0.00	--	--	--	84	--
		TOTAL LOAD:			51.78		50.78		54.78				**TOTAL CONNECTED CURRENT:**	189 A	
													TOTAL EST. DESIGN CURRENT:	218 A	

NOTES: EDPH1 SECTION 2 OF 2

DISTRIBUTION PANEL: EDPL

LOCATION: ELECTRICAL...
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

MAINS RATING: 400A MCB
VOLTAGE: 208Y/120
PHASES: 3
WIRES: 4
SCCR RATING: 22,000

CKT	CIRCUIT DESCRIPTION	POLES	TRIP RATING	LOAD	COMMENTS
1	EPL1	3	100 A	0.4 kVA	
2	EPL2	3	100 A	8.8 kVA	
3	EPL3	3	100 A	11.2 kVA	
4	EPL4	3	100 A	0.0 kVA	
5	EPL5	3	200 A	46.2 kVA	
6					
7					
8					
9					
10					

NOTES:

LOAD CLASSIFICATION:	CONNECTED LOAD	ESTIMATED DEMAND	PANEL TOTALS	
LTG	2.08 kVA	2.08 kVA	**TOTAL CONN. LOAD:**	66.46 kVA
Motor	1.56 kVA	1.81 kVA	**TOTAL EST. DEMAND LOAD:**	55.78 kVA
Power	19.80 kVA	19.80 kVA	**TOTAL CONN. CURRENT:**	184 A
Spare	9.58 kVA	9.58 kVA	**TOTAL EST. DEMAND CURRENT:**	155 A
Recp - Specific Appliance or Load	1.59 kVA	1.59 kVA	**TOTAL EST. DESIGN CURRENT:**	
Recp - General Purpose	31.86 kVA	20.93 kVA		

PANELBOARD SCHEDULE: FLSDPH1

LOCATION: FIRE LIFE SAFETY...
SUPPLY FROM: ATS-FLS
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

MAINS RATING: 50A MCB
VOLTAGE: 480Y/277
PHASES: 3
WIRES: 4

MINIMUM BREAKER SCCR: 22,000

	CKT	CIRCUIT DESCRIPTION	TRIP	POLE	CONNECTED LOAD KVA A		CONNECTED LOAD KVA B		CONNECTED LOAD KVA C		POLE	TRIP	CIRCUIT DESCRIPTION	CKT	
	1	T-FLSPL	20 A	3	2.68	4.72					3	25 A	FLSDPH1-CAB	2	
--	3	--	--	--			0.36	4.45			--	--	--	4	--
--	5	--	--	--					0.18	4.22	--	--	--	6	--
	7	JOCKEY PUMP	20 A	3	1.00	0.00					1	20 A	SPARE	8	
--	9	--	--	--			1.00	0.00			1	20 A	SPARE	10	
--	11	--	--	--					1.00	0.00	1	20 A	SPARE	12	
	13	SPACE	--	1	--	--					1	--	SPACE	14	
	15	SPACE	--	1			--	--			1	--	SPACE	16	
	17	SPACE	--	1					--	--	1	--	SPACE	18	
	19	SPACE	--	1	--	--					1	--	SPACE	20	
		TOTAL LOAD:			8.40		5.81		5.40				**TOTAL CONNECTED CURRENT:**	24 A	
													TOTAL EST. DESIGN CURRENT:	27 A	

NOTES:

PANELBOARD SCHEDULE: FLSPL

LOCATION: FIRE LIFE SAFETY...
SUPPLY FROM: T-FLSPL
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

MAINS RATING: 50A MCB
VOLTAGE: 208Y/120
PHASES: 3
WIRES: 4

MINIMUM BREAKER SCCR: 22,000

	CKT	CIRCUIT DESCRIPTION	TRIP	POLE	CONNECTED LOAD KVA A		CONNECTED LOAD KVA B		CONNECTED LOAD KVA C		POLE	TRIP	CIRCUIT DESCRIPTION	CKT	
*	1	FSD-1, 2, 3 (7) 4	20 A	1	1.00	1.50					1	20 A	FSD-4,5,6	2	*
	3	NAC BOOSTER	20 A	1			0.18	0.18			1	20 A	JOCKEY PUMP CONTROLLER	4	
	5	FACP	20 A	1					0.18	0.00	1	20 A	SPARE	6	
	7	FIRST RESPONDER RADIO	20 A	1	0.18	0.00					1	20 A	SPARE	8	
	9	SPACE	--	1			--	0.00			1	20 A	SPARE	10	
	11	SPACE	--	1					--	0.00	1	20 A	SPARE	12	
	13	SPACE	--	1	--	--					1	--	SPACE	14	
	15	SPACE	--	1			--	--			1	--	SPACE	16	
	17	SPACE	--	1					--	--	1	--	SPACE	18	
	19	SPACE	--	1	--	--					1	--	SPACE	20	
		TOTAL LOAD:			2.68		0.36		0.18				**TOTAL CONNECTED CURRENT:**	9 A	
													TOTAL EST. DESIGN CURRENT:	10 A	

NOTES: *BREAKER SHALL HAVE PERMANENT BREAKER LOCK INSTALLED. FACTORY PAINTED RED.

DISTRIBUTION PANEL: GENERATOR

LOCATION:
MOUNTING: SURFACE
ENCLOSURE: NEMA 4X

MAINS RATING: 1000A
VOLTAGE: 480Y/277
PHASES: 3
WIRES: 4
SCCR RATING: 35,000

CKT	CIRCUIT DESCRIPTION	POLES	TRIP RATING	LOAD	COMMENTS
1	GEN-GDPHE-FB	3	1000 A	912.9 kVA	LSI
2	GEN-LBB	3	600 A	0.0 kVA	LSI
3					

NOTES:

LOAD CLASSIFICATION:	CONNECTED LOAD	ESTIMATED DEMAND	PANEL TOTALS	
LTG	13.95 kVA	13.95 kVA	**TOTAL CONN. LOAD:**	912.87 kVA
Motor	772.97 kVA	805.39 kVA	**TOTAL EST. DEMAND LOAD:**	924.20 kVA
Other	0.02 kVA	0.02 kVA	**TOTAL CONN. CURRENT:**	1098 A
Power	54.73 kVA	54.73 kVA	**TOTAL EST. DEMAND CURRENT:**	1112 A
Spare	11.58 kVA	11.58 kVA	**TOTAL EST. DESIGN CURRENT:**	
Recp - Specific Appliance or Load	7.46 kVA	7.46 kVA		
Recp - General Purpose	52.20 kVA	31.10 kVA		

PANELBOARD SCHEDULE: GEN AUX

LOCATION:
SUPPLY FROM: T-GEN AUX
MOUNTING: SURFACE
ENCLOSURE: NEMA 4X

MAINS RATING: 100A MCB
VOLTAGE: 208Y/120
PHASES: 3
WIRES: 4

MINIMUM BREAKER SCCR: 22,000

	CKT	CIRCUIT DESCRIPTION	TRIP	POLE	CONNECTED LOAD KVA A		CONNECTED LOAD KVA B		CONNECTED LOAD KVA C		POLE	TRIP	CIRCUIT DESCRIPTION	CKT	
	1	SPARE	20 A	1	0.00	0.00					3	100 A	GEN-INT-FB	2	
	3	UPS LB CONTROLLER	20 A	1			0.00	0.00			--	--	--	4	--
	5	GEN LB CONTROLLER	20 A	1					0.00	0.00	--	--	--	6	--
	7	SPARE	20 A	1	0.00	0.00					1	20 A	SPARE	8	
	9	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	10	
	11	SPACE	--	1					--	--	1	--	SPACE	12	
	13	SPD	30 A	3	0.00	0.00					3	100 A	MAIN MCB	14	
--	15	--	--	--			0.00	0.00			--	--	--	16	--
--	17	--	--	--					0.00	0.00	--	--	--	18	--
		TOTAL LOAD:			0.00		0.00		0.00				**TOTAL CONNECTED CURRENT:**	0 A	
													TOTAL EST. DESIGN CURRENT:	0 A	

NOTES:

SHEET NOTES

1. REFER TO E-001, E-002, AND E-003 FOR ELECTRICAL GENERAL NOTES, ABBREVIATIONS & LEGEND.

ASI-013 (07/24/2025), ISSUED FOR REVISIONS

POND
3500 Parkway Lane
Suite 500
Peachtree Corners
Georgia 30092

EOR/AOR SEAL

COA STAMP

CLIENT INFORMATION

Asheville REGIONAL AIRPORT

PROJECT NAME

GREATER ASHEVILLE REGIONAL AIRPORT AUTHORITY ATCT & TRACON

146 WESTFELDT RD, MILLS RIVER, NC 28732

DRAWING ISSUE

MARK	DESCRIPTION	DATE
1	ARCHITECT'S SUPPLEMENTAL INSTRUCTIONS (ASI) 001-R1 RFI 158	04/17/2023
2	ASI 011	11/5/2023
3	REVISION PER FAA DIRECTION	12/27/2024
4	ISSUED FOR CONSTRUCTION	07/24/2025
4A	DESCRIPTION	12/21/2022

DESIGNED BY: BWE
DRAWN BY: TCB
CHECKED BY: JMS
SUBMITTED BY: RCJ
DATE: 21 DECEMBER 2022
PROJECT #: 1210250

SHEET TITLE

PANELBOARD SCHEDULES-TRACON

FOR OFFICIAL USE ONLY
PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

SHEET NUMBER

E-622

ORIGINAL SHEET SIZE: 22" X 34"

ISSUED FOR CONSTRUCTION

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7/23/2025 2:51:03 PM BIM 360://1210250 AVL ATCT-TRACON/1210250_AVL ATCT-TRACON_ELEC_V21.rvt

DISTRIBUTION PANEL: EDPL-CAB

LOCATION: UTILITY ACCESS-6... **MAINS RATING:** 150A MCB
MOUNTING: **VOLTAGE:** 208Y/120
ENCLOSURE: **PHASES:** 3
WIRES: 4
SCCR RATING: 10,000

CKT	CIRCUIT DESCRIPTION	POLES	TRIP RATING	LOAD	COMMENTS
1	EPL1-CAB	3	100 A	17.8 kVA	
2	EPL2-CAB	3	100 A	3.2 kVA	
3	EPL3-CAB	3	100 A	14.1 kVA	
4	EPL4-CAB	3	100 A	5.4 kVA	
5					
6					
7					
8					
9					
10					

NOTES:

LOAD CLASSIFICATION:	CONNECTED LOAD	ESTIMATED DEMAND	PANEL TOTALS	
LTG	0.88 kVA	0.88 kVA	**TOTAL CONN. LOAD:**	40.55 kVA
Motor	21.79 kVA	22.87 kVA	**TOTAL EST. DEMAND LOAD:**	40.15 kVA
Other	0.02 kVA	0.02 kVA	**TOTAL CONN. CURRENT:**	113 A
Power	2.88 kVA	2.88 kVA	**TOTAL EST. DEMAND CURRENT:**	111 A
Recp - Specific Appliance or Load	2.03 kVA	2.03 kVA	**TOTAL EST. DESIGN CURRENT:**	
Recp - General Purpose	12.96 kVA	11.48 kVA		

PANELBOARD SCHEDULE: EPL1-CAB

LOCATION: ELEC T106 **MAINS RATING:** 100A MCB **MINIMUM BREAKER SCCR:** 10,000
SUPPLY FROM: EDPL-CAB **VOLTAGE:** 208Y/120
MOUNTING: SURFACE **PHASES:** 3
ENCLOSURE: NEMA 1 **WIRES:** 4

	CKT	CIRCUIT DESCRIPTION	TRIP	POLE	CONNECTED LOAD KVA A		CONNECTED LOAD KVA B		CONNECTED LOAD KVA C		POLE	TRIP	CIRCUIT DESCRIPTION	CKT	
	1	RECP EXTERIOR TOWER	20 A	1	0.54	0.72					1	20 A	RECP T100, T104, T105, T106	2	
	3	RECP T206	20 A	1			0.18	0.18			1	20 A	RECP ELEVATOR T103	4	
	5	RECP T2A0	20 A	1					0.18	0.54	1	20 A	RECP T200, T204, T205	6	
	7	ELEVATOR CTRL PNL SHUNT	20 A	1	0.18	0.18					1	20 A	RECP T3A0	8	
	9	ELEVATOR CAB LIGHTS & FAN	20 A	1			0.00	0.54			1	20 A	RECP T300, T304, T305	10	
	11	RECP STAIR 1 (L1, L2, L3)	20 A	1					0.54	0.55	2	15 A	FCU-T1	12	
	13	RECP STAIR 2 (L1, L2, L3)	20 A	1	0.54	0.55					--	--	--	14	--
	15	FCU-T2	15 A	2			0.55	1.18			1	15 A	ELEVATOR SUMP PUMP (SP-1)	16	
--	17	--	--	--					0.55	1.18	1	20 A	ELEVATOR SUMP PUMP (SP-2)	18	
	19	RECP CHILLER YARD	20 A	1	0.18	0.00					1	20 A	SPARE	20	
3	21	CHILLER YARD HEATER	30 A	2			0.18	0.00			1	20 A	SPARE	22	
	23	UH-T1	30 A	2					2.15	0.00	1	20 A	SPARE	24	
--	25	--	--	--	2.15	0.00					1	20 A	SPARE	26	
	27	UH-T2	30 A	2			2.15	0.00			1	20 A	SPARE	28	
--	29	--	--	--					2.15	0.00	1	20 A	SPARE	30	
	31	SPACE	--	1	--	0.00					1	20 A	SPARE	32	
	33	SPACE	--	1			--	0.00			1	20 A	SPARE	34	
	35	SPACE	--	1					--	0.00	1	20 A	SPARE	36	
	37	SPACE	--	1	--	0.00					3	30 A	SPD	38	
	39	SPACE	--	1			--	0.00			--	--	--	40	--
	41	SPACE	--	1					--	0.00	--	--	--	42	--
				TOTAL LOAD:	5.04		4.96		7.84						

TOTAL CONNECTED CURRENT: 50 A
TOTAL EST. DESIGN CURRENT: 57 A

NOTES:

PANELBOARD SCHEDULE: EPL3-CAB

LOCATION: UTILITY ACCESS-6 T406-6 **MAINS RATING:** 100A MCB **MINIMUM BREAKER SCCR:** 10,000
SUPPLY FROM: EDPL-CAB **VOLTAGE:** 208Y/120
MOUNTING: SURFACE **PHASES:** 3
ENCLOSURE: NEMA 1 **WIRES:** 4

	CKT	CIRCUIT DESCRIPTION	TRIP	POLE	CONNECTED LOAD KVA A		CONNECTED LOAD KVA B		CONNECTED LOAD KVA C		POLE	TRIP	CIRCUIT DESCRIPTION	CKT	
	1	RECP T500, T504, T505, T600	20 A	1	0.72	0.36					1	20 A	RECP T508	2	
	3	RECP T506, T510	20 A	1			0.36	0.54			1	20 A	RECP T511	4	
	5	RECP EWC T506	20 A	1					0.69	0.69	1	20 A	RECP T506	6	
	7	RECP MICROWAVE T506	20 A	1	1.10	0.36					1	20 A	RECP T506	8	
	9	RECP BREAK ROOM T506	20 A	1			0.18	0.09			1	20 A	RECP REFRIGERATOR T506	10	
	11	RECP T512	20 A	1					0.54	0.52	2	20 A	FCU-T5-2B	12	
	13	AHU-2 LIGHTS	20 A	1	0.18	0.52					--	--	--	14	--
	15	CP-2	15 A	1			1.00	0.98			2	20 A	FCU-T5-1	16	
	17	FCU-T5-2A	20 A	2					0.52	0.98	--	--	--	18	--
--	19	--	--	--	0.52	0.36					1	20 A	RECP STAIR 1 (L4, L5)	20	
	21	EF-T5	20 A	1			0.03	0.36			1	20 A	RECP STAIR 2 (L4, L5)	22	
	23	DEFOGGER - CONTROL PANEL	20 A	1					0.18	0.00	1	20 A	SPARE	24	
	25	DEFOGGER - PRIMARY PUMP	20 A	1	0.18	0.00					1	20 A	SPARE	26	
	27	DEFOGGER - SOLENOID CTRL	20 A	1			0.18	0.00			1	20 A	SPARE	28	
	29	FCU-T5-3	20 A	2					0.98	0.00	1	20 A	SPARE	30	
--	31	--	--	--	0.98	0.00					1	20 A	SPARE	32	
	33	SPACE	--	1			--	0.00			1	20 A	SPARE	34	
	35	SPACE	--	1					--	0.00	1	20 A	SPARE	36	
	37	SPACE	--	1	--	0.00					3	30 A	SPD	38	
	39	SPACE	--	1			--	0.00			--	--	--	40	--
	41	SPACE	--	1					--	0.00	--	--	--	42	--
				TOTAL LOAD:	5.28		3.72		5.10						

TOTAL CONNECTED CURRENT: 39 A
TOTAL EST. DESIGN CURRENT: 45 A

NOTES:

PANELBOARD SCHEDULE: EPL2-CAB

LOCATION: UTILITY ACCESS-6 T406-6 **MAINS RATING:** 100A MCB **MINIMUM BREAKER SCCR:** 10,000
SUPPLY FROM: EDPL-CAB **VOLTAGE:** 208Y/120
MOUNTING: SURFACE **PHASES:** 3
ENCLOSURE: NEMA 1 **WIRES:** 4

CKT	CIRCUIT DESCRIPTION	TRIP	POLE	CONNECTED LOAD KVA A		CONNECTED LOAD KVA B		CONNECTED LOAD KVA C		POLE	TRIP	CIRCUIT DESCRIPTION	CKT	
1	SPARE	20 A	1	0.00	0.54					1	20 A	RECP T400, T404, T405	2	
3	SPARE	20 A	1			0.00	0.72			1	20 A	RECP T406	4	
5	SPARE	20 A	1					0.00	0.98	2	20 A	FCU-T4-2	6	
7	SPARE	20 A	1	0.00	0.98					--	--	--	8	--
9	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	10	
11	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	12	
13	SPARE	20 A	1	0.00	0.00					1	20 A	SPARE	14	
15	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	16	
17	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	18	
19	SPARE	20 A	1	0.00	0.00					1	20 A	SPARE	20	
21	SPACE	--	1			--	--			1	--	SPACE	22	
23	SPACE	--	1					--	--	1	--	SPACE	24	
25	SPACE	--	1	--	--					1	--	SPACE	26	
27	SPACE	--	1			--	--			1	--	SPACE	28	
29	SPACE	--	1					--	--	1	--	SPACE	30	
31	SPACE	--	1	--	--					1	--	SPACE	32	
33	SPACE	--	1			--	--			1	--	SPACE	34	
35	SPACE	--	1					--	--	1	--	SPACE	36	
37	SPACE	--	1	--	0.00					3	30 A	SPD	38	
39	SPACE	--	1			--	0.00			--	--	--	40	--
41	SPACE	--	1					--	0.00	--	--	--	42	--
			TOTAL LOAD:	1.52		0.72		0.98						

TOTAL CONNECTED CURRENT: 9 A
TOTAL EST. DESIGN CURRENT: 10 A

NOTES:

PANELBOARD SCHEDULE: EPL4-CAB

LOCATION: CONSOLE ACCESS T606 **MAINS RATING:** 100A MCB **MINIMUM BREAKER SCCR:** 10,000
SUPPLY FROM: EDPL-CAB **VOLTAGE:** 208Y/120
MOUNTING: SURFACE **PHASES:** 3
ENCLOSURE: NEMA 1 **WIRES:** 4

CKT	CIRCUIT DESCRIPTION	TRIP	POLE	CONNECTED LOAD KVA A		CONNECTED LOAD KVA B		CONNECTED LOAD KVA C		POLE	TRIP	CIRCUIT DESCRIPTION	CKT	
1	RECP CATWALK	20 A	1	0.72	0.18					1	20 A	RECP REFRIGERATOR CAB	2	
3	RECP T605, T606	20 A	1			0.54	0.18			1	20 A	CCTV-1	4	
5	RECP T606	20 A	1					0.54	0.18	1	20 A	CCTV-2	6	
7	BEACON	20 A	1	0.40	1.44					1	20 A	POWER SHADES CAB	8	
9	CAB ROOF MAINT LTG/RECP	20 A	1			0.20	0.36			1	20 A	RECP CAB	10	
11	LTG - CAB T700	20 A	1					0.48	0.18	1	20 A	RECP CAB ROOF	12	
13					0.00					1	20 A	SPARE	14	
15	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	16	
17	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	18	
19	SPARE	20 A	1	0.00	0.00					1	20 A	SPARE	20	
21	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	22	
23	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	24	
25	SPACE	--	1	--	--					1	--	SPACE	26	
27	SPACE	--	1			--	--			1	--	SPACE	28	
29	SPACE	--	1					--	--	1	--	SPACE	30	
31	SPACE	--	1	--	--					1	--	SPACE	32	
33	SPACE	--	1			--	--			1	--	SPACE	34	
35	SPACE	--	1					--	--	1	--	SPACE	36	
37	SPACE	--	1	--	0.00					3	30 A	SPD	38	
39	SPACE	--	1			--	0.00			--	--	--	40	--
41	SPACE	--	1					--	0.00	--	--	--	42	--
			TOTAL LOAD:	2.74		1.28		1.38						

TOTAL CONNECTED CURRENT: 15 A
TOTAL EST. DESIGN CURRENT: 17 A

NOTES:

SHEET NOTES

1. REFER TO E-001, E-002, AND E-003 FOR GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS.

POND
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EOR/AOR SEAL

COA STAMP

CLIENT INFORMATION

Asheville REGIONAL AIRPORT

PROJECT NAME

GREATER ASHEVILLE REGIONAL AIRPORT AUTHORITY ATCT & TRACON

146 WESTFELDT RD, MILLS RIVER, NC 28732

DRAWING ISSUE

MARK	DESCRIPTION	DATE
1	ASI #XX	XX/XX/2023
2	RFI 150	12/1/2023
3	REVISION PER FAA DIRECTION	07/24/2025
4	ISSUED FOR CONSTRUCTION	12/21/2022

DESIGNED BY:	BWE
DRAWN BY:	TCB
CHECKED BY:	JMS
SUBMITTED BY:	RCJ
DATE:	21 DECEMBER 2022
PROJECT #:	1210250

SHEET TITLE

PANELBOARD SCHEDULES-TOWER

FOR OFFICIAL USE ONLY

PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

SHEET NUMBER

E-627

ORIGINAL SHEET SIZE: 22" X 34"

WARNING: THIS RECORD CONTAINS SENSITIVE SECURITY INFORMATION THAT IS CONTROLLED UNDER 49 CFR PARTS 15 AND 1520. NO PART OF THIS RECORD MAY BE DISCLOSED TO PERSONS WITHOUT A "NEED TO KNOW", AS DEFINED IN 49 CFR PARTS 15 AND 1520, EXCEPT WITH THE WRITTEN PERMISSION OF THE ADMINISTRATOR OF THE TRANSPORTATION SECURITY ADMINISTRATION OR THE SECRETARY OF TRANSPORTATION. UNAUTHORIZED RELEASE MAY RESULT IN CIVIL PENALTY OR OTHER ACTION. FOR U.S. GOVERNMENT AGENCIES, PUBLIC DISCLOSURE IS GOVERNED BY 5 U.S.C. 552 AND 49 CFR PARTS 15 AND 1520.

ASI-013 (07/24/2025), ISSUED FOR REVISIONS

ISSUED FOR CONSTRUCTION

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KEY NOTES

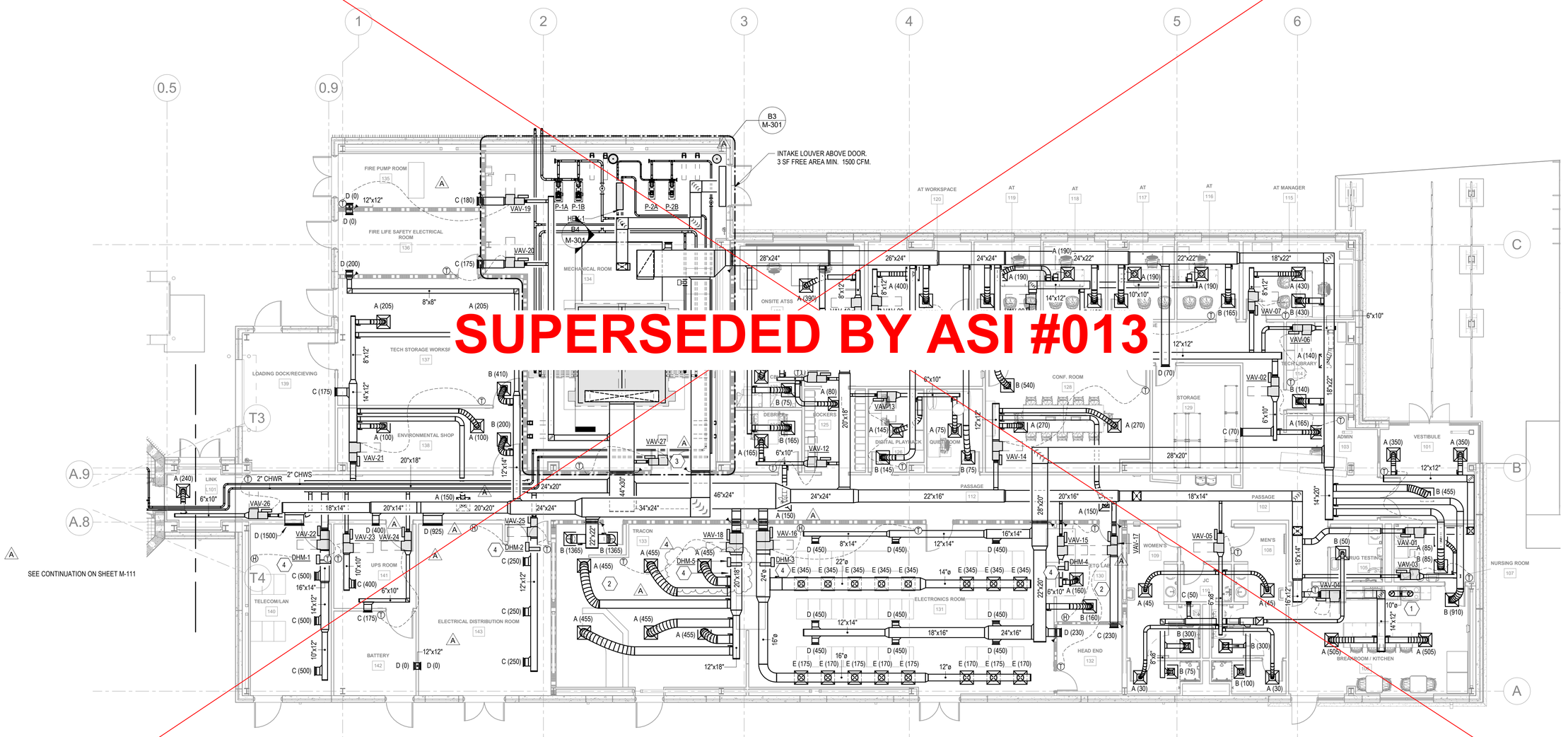
NUMBER	NOTES
1.	KITCHEN EXHAUST HOOD KH-1 B.O.D. DENLAR MODEL D1036-D-RF-NFPA101. 10" ROUND EXHAUST DUCT UP FROM KH-1 TO EF-2.
2.	AIR DEVICES IN THIS ROOM TO BE BLACK WITH BLACK TRIM. REFERENCE ARCHITECTURAL PLANS.
3.	PROVIDE 1/2"x1/2" WMS OVER OUTLET OF VAV BOX.
4.	DRAIN DUCT HUMIDIFIERS WITH SLOPED CONDENSATE PIPES TO HUB DRAIN IN MECHANICAL ROOM.

SHEET NOTES

A. PROVIDE VOLUME DAMPERS AT ALL BRANCH TAKEOFFS SERVING SINGLE DIFFUSER, GRILLE, OR REGISTER.
B. PROVIDE TURNING VANES IN ALL RECTANGULAR ELBOWS.
C. MAINTAIN MINIMUM 6" CLEARANCE BETWEEN DUCTWORK AND RATED WALLS.
D. COORDINATE DUCTWORK WITH STRUCTURE. PREPARE COORDINATION DRAWINGS AS SPECIFIED. REFER TO STRUCTRUAL DRAWINGS FOR ALL PENETRATIONS.
E. PROVIDE REMOTELY OPERATED DAMPERS FOR ALL NONACCESSIBLE DAMPER LOCATIONS ABOVE HARD CEILINGS. DO NOT PROVIDE ACCESS PANELS WITHIN HARD CEILINGS FOR ACCESS TO MANUAL BALANCING DAMPERS.
F. PROVIDE ALL CODE REQUIRED AND MANUFACTURER RECOMMENDED CLEARANCES FOR ALL EQUIPMENT.
G. PROVIDE FIRE DAMPERS AT FLOOR PENETRATIONS.
H. REFER TO AIR DISTRIBUTION SCHEDULE AND VARIABLE AIR VOLUME TERMINAL UNIT SCHEDULE FOR SIZES ON DUCT RUNOUTS.
I. ALL SUPPLY DUCTS SHALL BE INSULATED ACCORDING TO SPECIFICATIONS UNLESS OTHERWISE NOTIFIED.
J. ALL CHILLED WATER PIPING SHALL BE INSULATED ACCORDING TO SPECIFICATIONS UNLESS OTHERWISE NOTIFIED.

MOST RECENT CONTRACT ISSUANCE OF M-101 (ASI-011)

SUPERSEDED BY ASI #013



A1 TRACON FLOOR PLAN - LEVEL 1 - HVAC

SCALE: 1/8" = 1'-0"

SCALE: 1/8" = 1'-0"

PLAN NORTH

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ISSUED FOR CONSTRUCTION

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Tampa, Florida 33634
Tel: 888.891.9713
www.VoltAirInc.com
COA #27158
Project #01.21021

EOR/AOR SEAL

Engineer of Record:
BRYAN R. ZEMINA, P.E. #043561

THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY BRYAN R. ZEMINA, P.E. #043561 USING A DIGITAL SIGNATURE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES

TO THE BEST OF THE ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES

COA STAMP

NORTH CAROLINA PROFESSIONAL SEAL 043561 ENGINEER BRYAN R. ZEMINA

CLIENT INFORMATION

Asheville REGIONAL AIRPORT

PROJECT NAME

GREATER ASHEVILLE REGIONAL AIRPORT AUTHORITY ATCT & TRACON

146 Westfeldt Rd,
Mills River, NC 28732

DRAWING ISSUE

MARK	DESCRIPTION	DATE
4	ASI 011	12/27/2024
A	ISSUED FOR CONSTRUCTION	12/21/2022
B	ISSUED FOR PI 162 & 163	01/23/2024

DESIGNED BY:	B.Z.
DRAWN BY:	B.Z.
CHECKED BY:	R.F.W.
SUBMITTED BY:	B.Z.
DATE:	21 DECEMBER 2022
PROJECT #:	1210250

SHEET TITLE

TRACON FLOOR PLAN - LEVEL 1 - HVAC

SENSITIVE SECURITY INFORMATION

CONTROLLED UNDER 49 CFR PARTS 15 AND 1520.

SHEET NUMBER

M-101

ORIGINAL SHEET SIZE: 22" X 34"

12/23/2024 3:00:40 PM BIM 360://1210250 AVL ATCT-TRACON/1210250_AVL ATCT-TRACON _MP_FP_v21.rvt

KOKOLAKIS CONTRACTING
FORGING RELATIONSHIPS ANOTHER 50 YEARS

integrity@jkokolakis.com
jkokolakis.com

September 12, 2025

Joshua Alexander, CCM
ATCT Project Manager – Parsons Transportation Group
146 Westfeldt Dr.
Fletcher, NC 28732

Project: Greater Asheville Regional Airport Authority ATCT & TRACON, Asheville, NC

SUBJECT: Change Order Request (COR) #056 - Schneider Electric/Square D Power Systems Testing

Mr. Alexander,

Kokolakis Contracting submits a lump sum proposal for the above referenced Change Order Request No. 56, for the sum of **$73,054.72.** Enclosed herein you will find Kokolakis Contracting's itemized cost proposal which encompasses the additional costs for the labor, materials and equipment associated with the Schneider Electric/Square D Power Systems Testing.

We respectfully request that this Change Order be processed in accordance with the terms of the contract and that the record drawings be updated to reflect corrected opening dimensions for any future procurement or reference.

Kindly issue a change order to incorporate the revisions enclosed. Should you have any questions, please do not hesitate to contact me directly at (215) 410-6808.

Respectfully,

KOKOLAKIS CONTRACTING, INC.

Sean Thornton, P.E.
Project Manager
Cc: Field / File

COST PROPOSAL BREAKDOWN SHEET
KC-245- Asheville Regional Airport New ATCT & Base Building

KOKOLAKIS PROPOSAL # **COR #056**

TITLE **COR #056 - Schneider Electric/Square D Power Systems Testing**

DATE **11-Sep-25**

Description of Work		Material Quantity	Unit Cost	Per	Total Material	Total Days	Daily Rate	Total Labor	Total Cost
COR #056 - Square D Power Systems Testing " CL25_151 - Asheville Airport Control Tower Testing - 51726G 51726"									
Kokolakis Self Perform									
Kokolakis Extended General Conditions (5 Days)					-	3	5,193.30	15,579.90	15,579.90
					-				
Sub-Total					**-**			**15,579.90**	**15,579.90**
Subcontracted									
BESCO Electrical Corp									
CL25_151 - Asheville Airport Control Tower Testing - 51726G 51726					-			-	41,200.00
BESCO OH&P@	10.00%				-			-	4,120.00
Sub-Total					**-**			**-**	**45,320.00**
TOTAL DIRECT COST									**60,899.90**
Kokolakis OH@	10.00%								6,089.99
Subtract 'GC's' OH @	-10.00%								*(1,557.99)*
Kokolakis Profit @	10.00%								6,543.19
Bond Rate	1.50%								1,079.63
TOTAL PROPOSAL									**73,054.72**

COST PROPOSAL BREAKDOWN SHEET
KC-245- Asheville Regional Airport New ATCT & Base Building

SUPERSEDED

KOKOLAKIS PROPOSAL # COR #056

TITLE COR #056 - Schneider Electric/Square D Power Systems Testing

DATE 15-Aug-25

Description of Work					Total aterial	Total Days	Daily Rate	Total Labor	Total Cost
COR #056 - Square D Power Systems Testing " CL25_151 - Asheville Airport Control Tower Testing - 51726G 51726"									
Kokolakis Self Perform									
Kokolakis Extended General Conditions (5 Days)					-	5	$ 10,697.50	53,487.50	53,487.50
					-				
Sub-Total					**-**			**53,487.50**	**53,487.50**
Subcontracted									
BESCO Electrical Corp									
CL25_151 - Asheville Airport Control Tower Testing - 51726G 51726					-			-	41,200.00
BESCO OH&P@	10.00%				-			-	4,120.00
Sub-Total					**-**			**-**	**45,320.00**
TOTAL DIRECT COST									**98,807.50**
Kokolakis OH@	10.00%								9,880.75
Subtract 'GC's' OH @	-10.00%								*(5,348.75)*
Kokolakis Profit @	10.00%								10,333.95
Bond Rate	1.50%								1,705.10
TOTAL PROPOSAL									**115,378.55**

Proposal Name: CL25_151 - Asheville Airport Control Tower Testing - 51726G 51726

Quote Name: CL25_151 SR-3899996 PWR SYSTEM TESTING

Proposal Number: P-250716-5387828

Quote Number: Q-6143285

Quote Effective Date: 07/16/2025

Through Addenda Number: 0

Sales Representative: Clifton Lighty

Conditions of Sale

Except as otherwise provided below, this Quotation is subject to Coordinated Project Terms. See https://www.schneider-electric.us/en/download/document/0100PL0043

Notwithstanding any provision to the contrary in the referenced Coordinated Project Terms or any other documentation provided in connection with this proposal, this quote is valid for 30 days. Quoted lead times are approximate and subject to change.

Schneider Electric reserves the right to amend, withdraw or otherwise alter this submission without penalty or charge as a result of any event beyond its control arising from or due to the current Covid-19 epidemic or events subsequent to this epidemic / pandemic including changes in laws, regulations, by laws or direction from a competent authority.

Distributor Net Price	**$41,200.00**

Terms and Conditions

The work described in this quotation shall be governed by Schneider Electric USA's Standard Terms and Conditions of Sale, which may be found at: www.schneider-electric.us/termsandconditions

This proposal has been distributed to you on a confidential basis for your information only. By accepting it, you agree not to disseminate it to any other person or entity in any manner and not to use the information for any purpose other than considering opportunities for a cooperative business relationship with Schneider Electric.

DISCLAIMER: The Customer acknowledges that the products or part thereof are produced in, or otherwise sourced from, or will be installed areas already affected by, or that may be affected in the future by, the prevailing COVID-19 epidemics/pandemic and that the situation may trigger stoppage, hindrance or delays in Vendor's (or its subcontractors) capacity to produce, deliver, install or service the products, irrespective of whether such stoppage, hindrance or delays are due to measures imposed by authorities or deliberately implemented by the Vendor (or its subcontractors) as preventive or curative measures to avoid harmful contamination exposure of Vendor's (or its subcontractors') employees. The Customer therefore recognizes that such circumstances shall be considered as a cause for ***excusable delay*** *not exposing the Vendor to contractual sanctions including without limitation delay penalties, liquidated or other damages or termination for default.*

Proposal Acceptance

To accept this proposal, issue a P.O. to a local Square D by Schneider Electric distributor.

The following information is required:

- Site contact name, phone number and email address
- Installation site address
- Reference proposal number on PO
- Customer requested dates:
  - pre-work site visit date, if required such as engineering site visit, job walks and coordination
  - date of service
- SEUSA purchaser account number, if known

Click the link below or copy the URL and paste it into your browser to locate a SEUSA Services support center nearest you.

Link: https://www.schneider-electric.us/en/work/support/locator/

BORDER STATES

Introduction

Per our understanding of your request and associated correspondence, Schneider Electric USA, Inc. (SEUSA) Services has based our offer on the information contained within this proposal. If any changes are made to the proposed scheduling, scope of work or bill of material this proposal will need to be revised which may result in a price change.

Unless otherwise noted, an outage will be required to perform the proposed scope of work. Duration of this outage to be determined at time of scheduling.

If any additional electrical or mechanical defects are found during our investigation, these will be brought to your immediate attention. Authorization for these repairs and their costs will be agreed upon before any additional work is performed.

Scope of Work

SEUSA Services will perform the Scope of Work identified in this proposal per the following price:

Item #	Scope of Work
1	**Designation :** PWR SYSTEMS TESTING **Product Details :** 1-SRVODSCOR-Reactive Maintenance on LV Assembled Products ---------- SCOPE OF WORK Schneider Electric will provide (2) Field Service Representatives to perform inspections and testing on the following electrical system panelboards to search for any damage and test to ensure all equipment is properly functioning as the site had suffered a severe power spike. Testing will include visual inspections along with insulation resistance test (IRT) of each panelboard's bus work. Insulation resistance test (IRT) and contact resistance test (DLRO) for breakers 200A and greater and secondary injection testing of breaker trip units. Coordination study is attached for FSR to also confirm proper settings prior to testing. Post inspections and testing the FSR's will provide a comprehensive test report to the customer. This work scope will be performed over the course 5 consecutive days. The 37 panelboards consist of a combination of the following: 4 x I Line Panelboards. 25 x NQ Panelboards. 8 x NF Panelboards. ---------- CLARIFICATIONS 1. Complete panelboard outages are required to perform this work scope.

BOLDER STATES

	---------- Labor Type This job is being quoted for work to be performed during normal working hours (M-F 8:00 AM - 5:00 PM excluding Schneider Electric holidays) unless otherwise noted. ----------

BORDER STATES

Customer Responsibilities

- Schedule power outage with the local utility or production and absorb all related costs.
- Provide lighting and 120V power with GFI for Field Services' on-site electrical equipment, if required.
- Provide qualified personnel to de-energize / re-energize equipment as defined by NFPA70E.
- Provide qualified personnel to lock out equipment and verify zero energy state as defined by NFPA70E.
- Provide qualified individual for grounding of equipment as required.
- Provide proper workspace clear of obstruction with adequate temporary lighting for the walkways and emergency exits. *Work will not commence until adequate lighting is in place. *
- Provide a phone with defined emergency contact and site location in event of an emergency.
- Provide an authorized person to sign all manifests for asbestos and PCB wastes (if any)
- Labor and expense cost overruns due to:
  - Delays by others
  - Lack of equipment readiness for services outlined herein

Work Not Included

- Any site-specific meetings or customer-specific safety or clearance training greater than one hour conducted during the date of service or required outside the dates of service.
- Development of switching procedures and/or MOPs.
- Update of original factory order drawings.
- Additional site visits or meetings beyond that required to perform the scope of work above

BORDER STATES

Scheduling

- To avoid any delays in scheduling on-site work, please provide at least 4-6 weeks advanced notice. Holiday & Overtime scheduling may require additional advanced notice.
- Any reschedule requests submitted less than 5 business days before an established on-site work date will be subject to payment for all direct incurred costs and associated expenses.
- In the event of cancellation of PO by customer, following cancellation charges will apply:
  - Within 5 days of PO issuance, no cancellation charge applies.
  - After 5 days of PO issuance, a minimum cancelation charge of 10% PO value will apply.
  - Once work is scheduled, cancellation charge will be based on execution milestones and costs incurred; such as parts ordered, travel expenses, labor mobilizations and as per Schneider Electric's applicable Terms & Conditions.

Price

Price includes all travel, mileage, expenses, and any applicable Field Service Reports that will document and detail the services performed.

This proposal is subject to the following:

- Price quoted does not include any state, federal, or local taxes.
- Service will be scheduled after receipt of order.
- If tax exempt, exempt certificate must accompany purchase order.
- Payment is due upon receipt of invoice.

Payment Schedule

All projects will be billed based on execution milestones, schedule of values to be provided after receipt of PO. SEUSA may invoice purchaser monthly for all work performed, and for all equipment delivered to the job site or to an off-site storage facility. Purchaser may delay the work, for a period not to exceed 30 days, by giving notice to SEUSA, and purchaser shall pay for all work prior to the delay and will pay all costs incurred by SEUSA because of such delay.

Any projects over $250K will be subject to progress invoicing milestones:

- 10% Upon receipt of purchase order
- 20% Upon submission of approval drawings
- 20% After release of equipment to be manufactured
- 40% Upon shipment of Material
- 10% Upon install completion

Shipment Clarification

All lead-times referenced within this proposal are estimates only, unless specifically noted as a committed ship date. Due to the extreme volatility and shortages in the commodities markets, lead-times may increase. We will do what we can, within our control, to hold lead-times. In the event that a lead-time may increase, we will notify you as soon as we are aware, to lessen the impact to the project.

Pricing Clarification

Due to the extreme volatility in the commodities and labor markets, **this quotation is valid for only 30 days.** Currently there is extreme volatility in the steel, copper, plastics, and labor due to the evolving market conditions. We will do our best to hold pricing, but there are many factors beyond our control and these potential increases would be passed along to the customer. **It is also assumed that this project will be executed within 12 months of PO issuance.** If the execution timeline of this project exceeds this timeframe, any price escalations would also be passed along to the customer.

KOKOLAKIS CONTRACTING

EST 1972

September 12, 2025

Josh Alexander
ATCT Project Manager – Parsons Transportation Group
146 Westfeldt Dr.
Fletcher, NC 28732

Project: **Greater Asheville Regional Airport Authority ATCT & TRACON**
Asheville, NC

SUBJECT: **COR#057- RFI-271 – Head End Clearance** **Rev.1**

Mr. Alexander,

Attached you will Kokolakis Contracting's itemized cost proposal No. 057 which encompasses the additional labor, materials and equipment associated with the response received from RFI-271. This Change Order Request addresses field modifications required due to **design-documented head clearance** falling below the minimum height prescribed by applicable building codes. During construction, it was identified that the issued design drawings depicted clearances that did not meet code requirements.

To maintain compliance and ensure safe and unobstructed passage, **field adjustments were necessary**, including modifications to the affected areas and associated components. These changes were not part of the original contract scope and were executed to bring the installation into full compliance with governing code standards.

Enclosed please find a detailed cost breakdown, summary of changes and back-up related to this change order, which to the best of our knowledge incorporates all adds/deducts associated with the abovementioned changes. This proposal is hereby submitted for a change order in the amount of **$6,545.63**.

Should you have any questions, please do not hesitate to contact me directly.

Respectfully,

KOKOLAKIS CONTRACTING, INC.

Sean Thornton, P.E.
Project Manager
Cc: Field / File

COST PROPOSAL BREAKDOWN SHEET
KC-245- Asheville Regional Airport New ATCT & Base Building

OWNER RFP # **RFI #271**
KOKOLAKIS PROPOSAL # **COR #057**

TITLE **COR #057 - RFI#271 - Added Steel for Code Compliance Rev.1**
Notch and installation of steel channel, Stair #2. Install steel plate to reinforce the channel, as per RFI #271 response.
DATE **09-Sep-25**

Description of Work		Material Quantity	Unit Cost	Per	Total Material	Total Days	Daily Rate	Total Labor	Total Cost
Notch and installation of steel channel, Stair #2. Install steel plate to reinforce the channel, as per RFI #271 response.									
Kokolakis Self Perform									
							-	-	
					-				
Sub-Total					**-**			**-**	**-**
Subcontracted									
Southern Ridge Welding									
Labor & Fabrication/Field Install					-			-	
Equipment and Consumables					-			-	4,845.15
Southern Ridge OH&P @	10.00%								484.52
Sub-Total					**-**			**-**	**5,329.67**
TOTAL DIRECT COST									**5,329.67**
Kokolakis OH@	10.00%								532.97
Kokolakis Profit @	10.00%								586.26
Bond Rate	1.50%								96.73
TOTAL PROPOSAL									**6,545.63**

SOUTHERN RIDGE WELDING

INVOICE

NO 178

(706) 830-9789
3270 Windwood St., Evans, GA
30809
SouthernRidgeWelding@gmail.com

09.04.2025

FROM	TO	JOB DURATION
Southern Ridge Welding	Kokolakis	08/11/2025-08/12/2025

PROJECT SERVICES	QTY	PRICE	TOTAL
Superintendent worked hours	5	$94.83	$474.15
Journeyman worked hours	40	$80.00	$3,200.00
Per Diem	3	$100.00 per day	$600.00
Gang Box	1	$50.00 per day	$100.00
Materials and Consumables	-	$255.51	$255.51
Company Vehicle	1	$150 per day	$300.00
Welding Machine	2	$200 per day	$400.00

NOTES: Cut out on stairs/ Asheville Airport

Subtotal	$5,329.66
Tax	$ 0
TOTAL	$5,329.66

Kokolakis Contracting
202 East Center Street
Tarpon Springs, Florida 34689
P: +17279422211

Project: KC-0245-22 Asheville ATCT Facility
146 Wesfeldt Rd.
Fletcher , North Carolina 28732

RFI #271: Design Conflict w/Code - Insufficient Head Clearance at Stair #2

Status	Open		
To	Jared Reynolds (Pond & Company) Joshua Alexander (Parsons Transportation Group)	**From**	Sean Thornton (Kokolakis Contracting) 264 West 40th Street, Suite 802, New York, NY 10018 New York, New York 10018
Date Initiated	Jul 3, 2025	**Due Date**	Jul 8, 2025
Location	ATCT BUILDING	**Project Stage**	Post-Construction
Cost Impact	TBD	**Schedule Impact**	TBD
Spec Section		**Cost Code**	
Drawing Number		**Reference**	
Linked Drawings			
Received From	Sebastian Rypien (Kokolakis Contracting)	**Sub Job**	
Copies To	Joshua Alexander (Parsons Transportation Group), Bill Athanasoulis (Kokolakis Contracting), Michael Burton (Kokolakis Contracting), Cameron Champaigne (Kokolakis Contracting), Chris Jenkins (Pond & Company), Phil Kennedy (Kokolakis Contracting), Hannah Laury (Pond & Company), Jake Parker (Kokolakis Contracting), Jared Reynolds (Pond & Company), Sebastian Rypien (Kokolakis Contracting), Valorie Stokes (Pond & Company), Sean Thornton (Kokolakis Contracting)		

ADDITIONAL INFORMATION FOR OPR

Contract Number		**Reply Email Address**	
Remarks			

Activity

Question

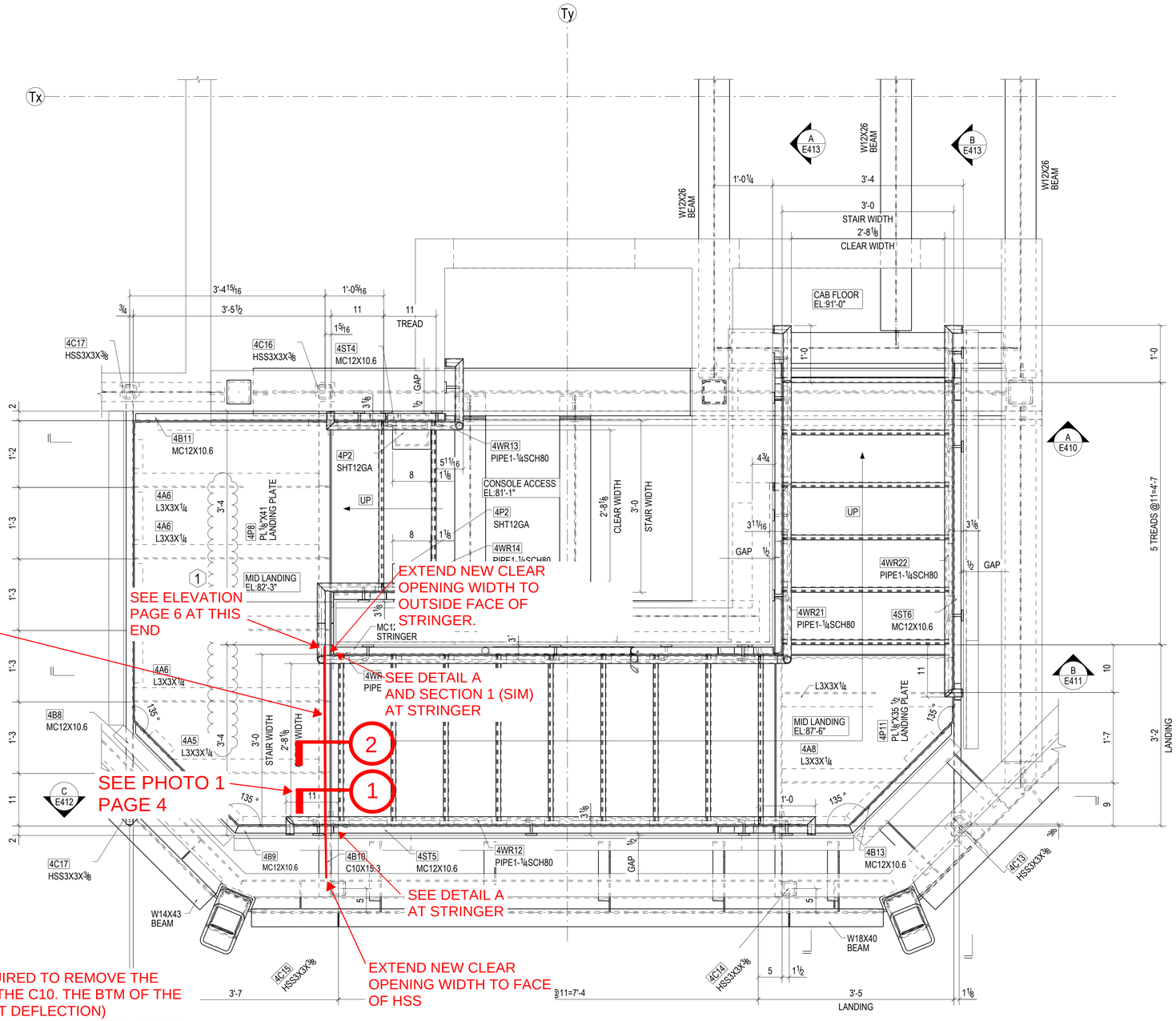
Question from Sean Thornton Kokolakis Contracting *on Thursday, Jul 3, 2025 at 12:57 PM EDT*

The building inspector has identified a code compliance deficiency impacting our ability to attain final building sign-off by Henderson County. Specifically, there is insufficient headroom clearance at Stair #2, located at the stair landing between Level 5 and Level 6, due to the placement of the MC12 structural channel. The measured clearance under the channel is 6’-6 ½”, which does not meet the minimum 6’-8” headroom clearance required by code.

This condition appears to be a design deficiency that requires correction to bring the installation into code compliance. Please review and provide a design resolution to address this noncompliant condition as soon as possible.

Remediation of this issue is critical to obtaining final building inspection approvals and the Certificate of Occupancy. Please advise with direction immediately so that we may avoid further delays.

Awaiting an Official Response



NEW BUILT-UP ANGLE ALONG BTM OF EXIST C10 WHERE C10 IS TO BE CUT.

SEQUENCE:

1. JACK AND SHORE AS REQUIRED TO REMOVE THE EXISTING DEAD LOAD FROM THE C10. THE BTM OF THE C10 IS TO BE LEVEL (WITHOUT DEFLECTION) PRIOR TO CUTTING. DO NOT DAMAGE THE STRUCTURE DURING DEAD LOAD REMOVAL.

2. CUT THE CLIP ANGLES, 3/8" PLATE, AND BTM OF THE C10. SEE SECTION 1 AND DETAIL A. GRIND SMOOTH AS REQUIRED TO MAINTAIN FULL CONTACT BETWEEN THE BUILT-UP ANGLE AND BTM OF CUT C10 TO MAINTAIN CLEAR HGT REQ'D. ALL CUTS SHALL BE MADE WITH PLASMA CUTTER.

3. INSTALL THE BUILT-UP ANGLE SHOWN IN THE ATTACHED ELEVATION AND SECTIONS.

4. SLOWLY REMOVE SHORING TO RELOAD THE MODIFIED C10 MEMBER.

STAIR-2 PLAN AT CAB FLOOR LEVEL (LEVEL-07)

(REF.DWG: A4/A-475)

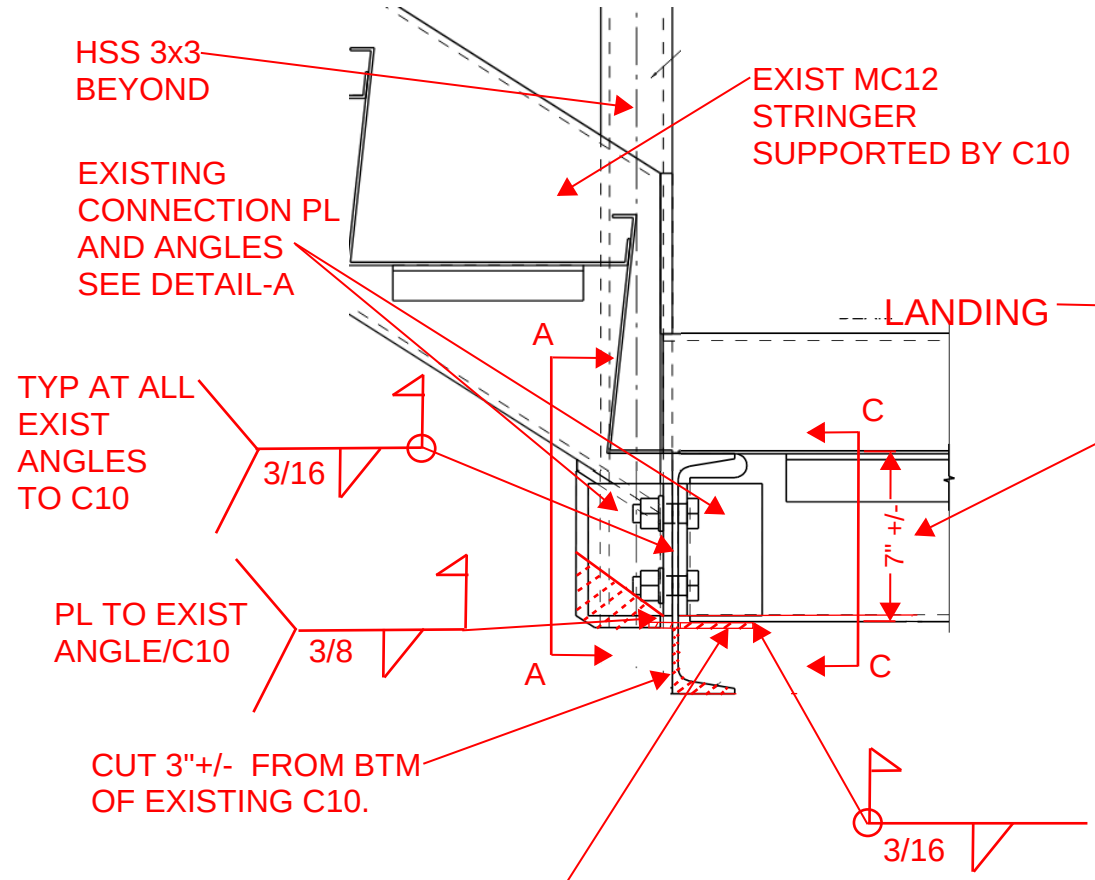
TRUE NORTH PROJECT NORTH

REV	DATE	DESCRIPTION
C	08/14/2023	ISSUED FOR RE-APPROVAL
B	06/02/2023	ISSUED FOR RE-APPROVAL
A	03/20/2023	ISSUED FOR APPROVAL

ACADIAN STEEL
151 Blackville Road,
Gaston, SC 29053

HOLES U.N.	BOLTS U.N.	WELDS U.N.	WELDING ELECTROD U.N.
13/16"Ø	A325X	3/16 FILLET	E70XX

PROJECT: GREATER ASHEVILLE REGIONAL AIRPORT AUTHORITY ATCT & TRACON, 146 Westfeldt Rd, Mills River,	DATE: 02/14/2023
	DRAWN BY: SS
DESCRIPTION: STAIR-2 PLAN AT CAB FLOOR LEVEL (LEVEL-07)	CHKD. BY: PA
ARCHITECT: Pond and Company	P.O.NO.: ACA FL-245
CONTRACTOR: Kokolakis Contracting	SHT. NO.: E409



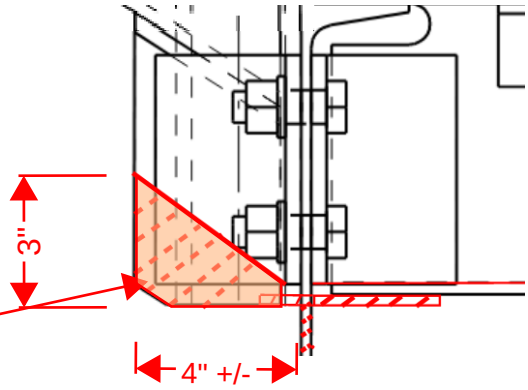
NOTE:
VERT LEG OF BUILT-UP ANGLE IS OMITTED AT MC12 AT EDGE OF LANDING CONNECTION AS SHOWN.

NOTE: CLEAR ELEVATION AT BTM OF NEW PLATE=6'-9 1/8"

CONTINUE ANGLE HORIZ LEG UNDER MC12. WELD PLATE TO UNDERSIDE OF MC12 AND CLIP ANGLES BOTH SIDES OF C10. SEE SECTION 2 FOR BUILT-UP ANGLE REQUIREMENTS.

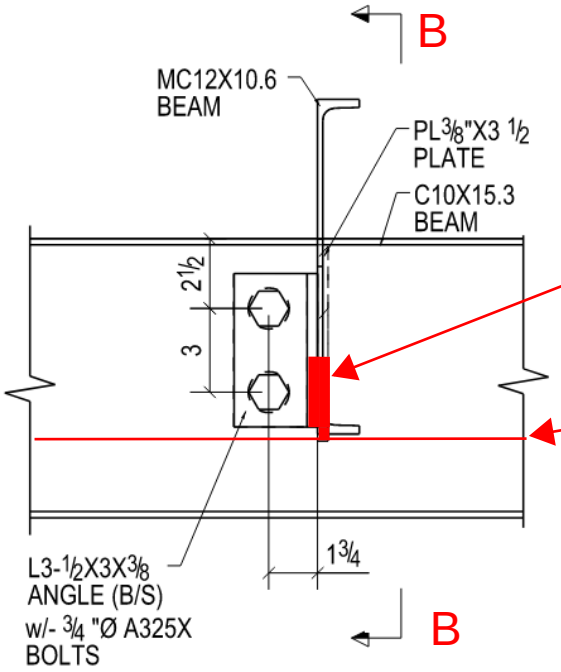
SECTION 1
NTS

NOTE: REFERENCE B/E418 ON ACADIAN STAIR SHOP DWGS



CUT OUTSTANDING LEGS OF L 3 1/2x3x3/8 CLIP ANGLES ATTACHING STRINGERS TO C10 AND CUT THE 3/8" PLATE ATTACHING THE STRINGERS TO THE CLIP ANGLES AS SHOWN, TYP 2 STRINGER LOCATIONS.

DETAIL - A
NTS



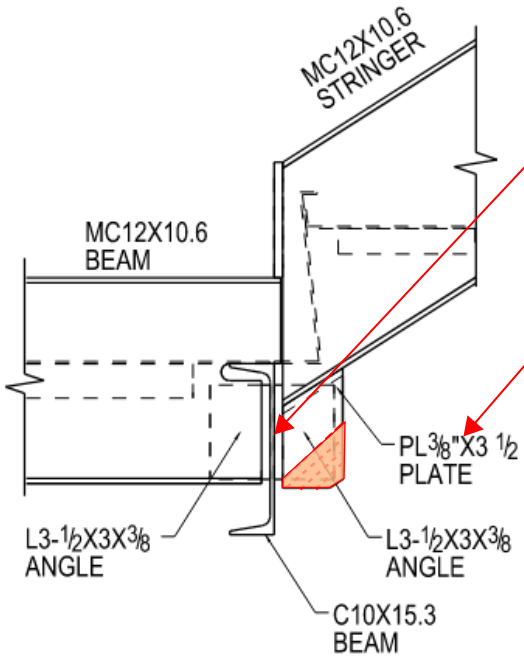
INCLINED CUT

APPROX CUT LINE OF EXIST C10, SEE SECTION 1

SECTION A - A

NTS

NOTE: NEW BUILT-UP PLATE IS NOT SHOWN FOR CLARITY IN THESE SECTIONS.



MC 12 STRINGER AND 3/8" PLATE AT BTM OF STRINGER TO WEB OF C10

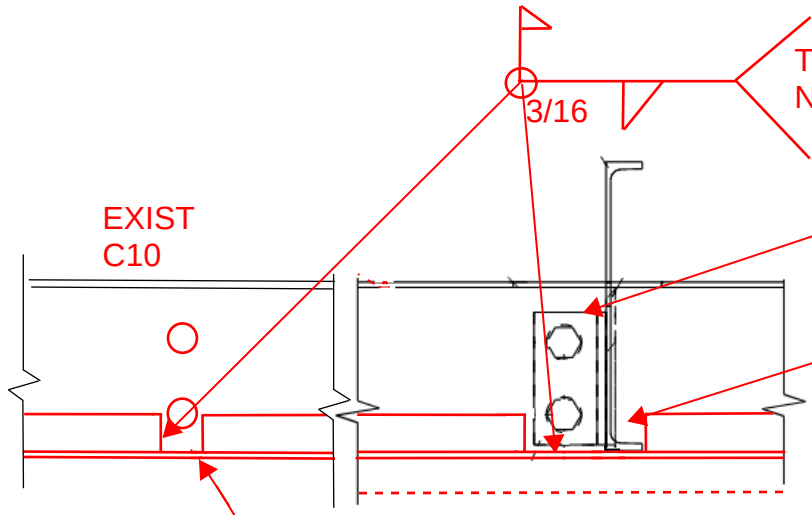
3/8" PLATE AT BTM OF STRINGER TO BE WELDED PER ABOVE



SECTION B - B

NTS

WORK POINT OF CUT AT INSIDE INTERSECTION OF EXIST ANGLE LEGS.



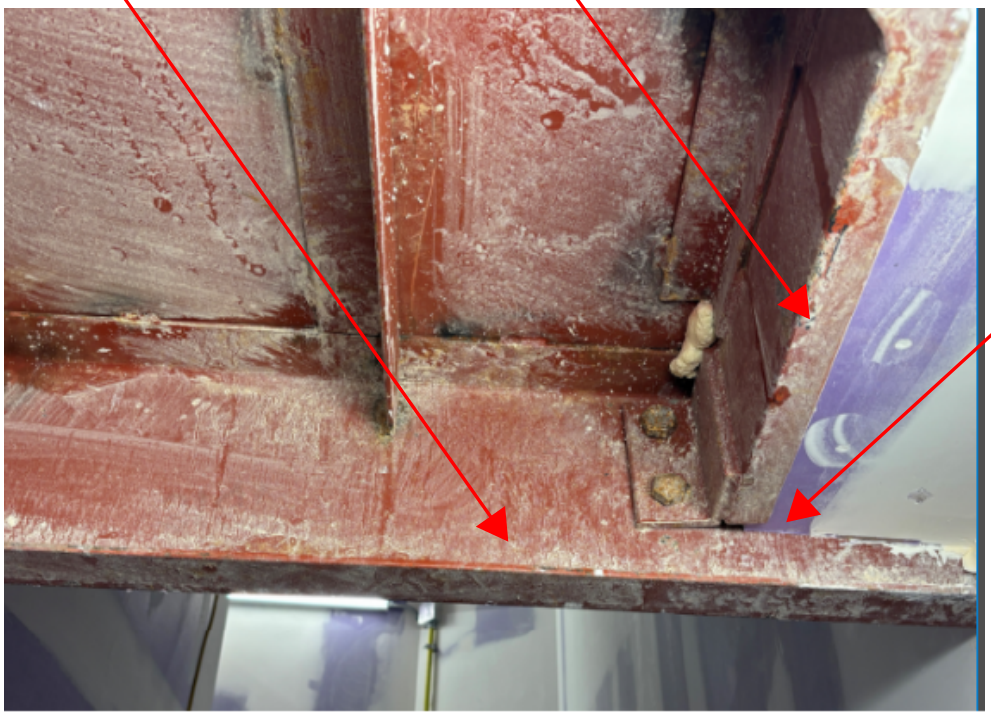
NOTCH VERT LEG OF BUILT-UP ANGLE MIN AS REQ'D AROUND THE EXISTING MC 12 ANGLE CONNECTION AND NOTCH AROUND THE EXISTING MC12. CONTINUE ANGLE HORIZ LEG UNDER MC12 AND CONNECTION AS SHOWN.

SECTION C -C
NTS

NOTCH VERT LEG MIN AS REQ'D AT BOLTS CONNECTING STRINGERS AT FAR SIDE

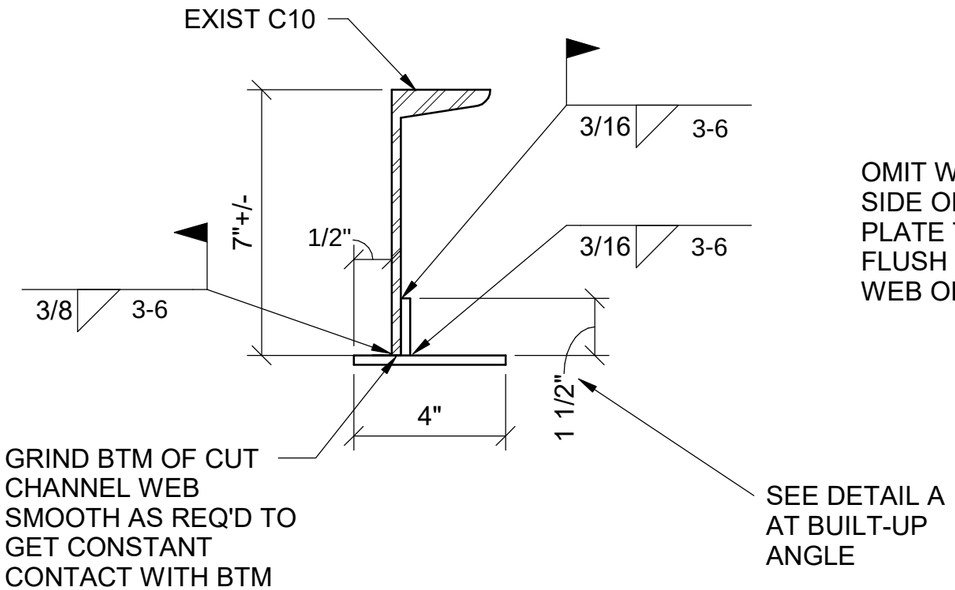
EXIST
C10 TO
BE CUT

EXIST
MC12

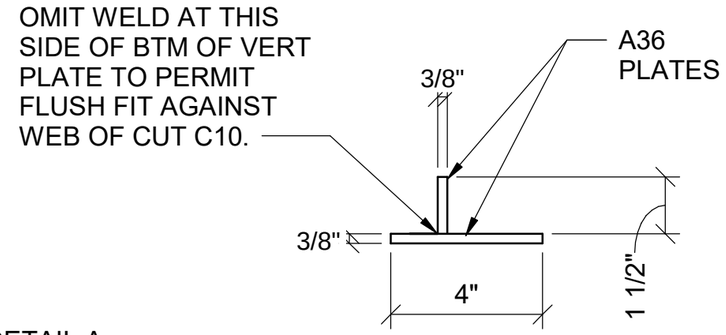


REMOVE
CEILING TO
INSTALL
ANGLE

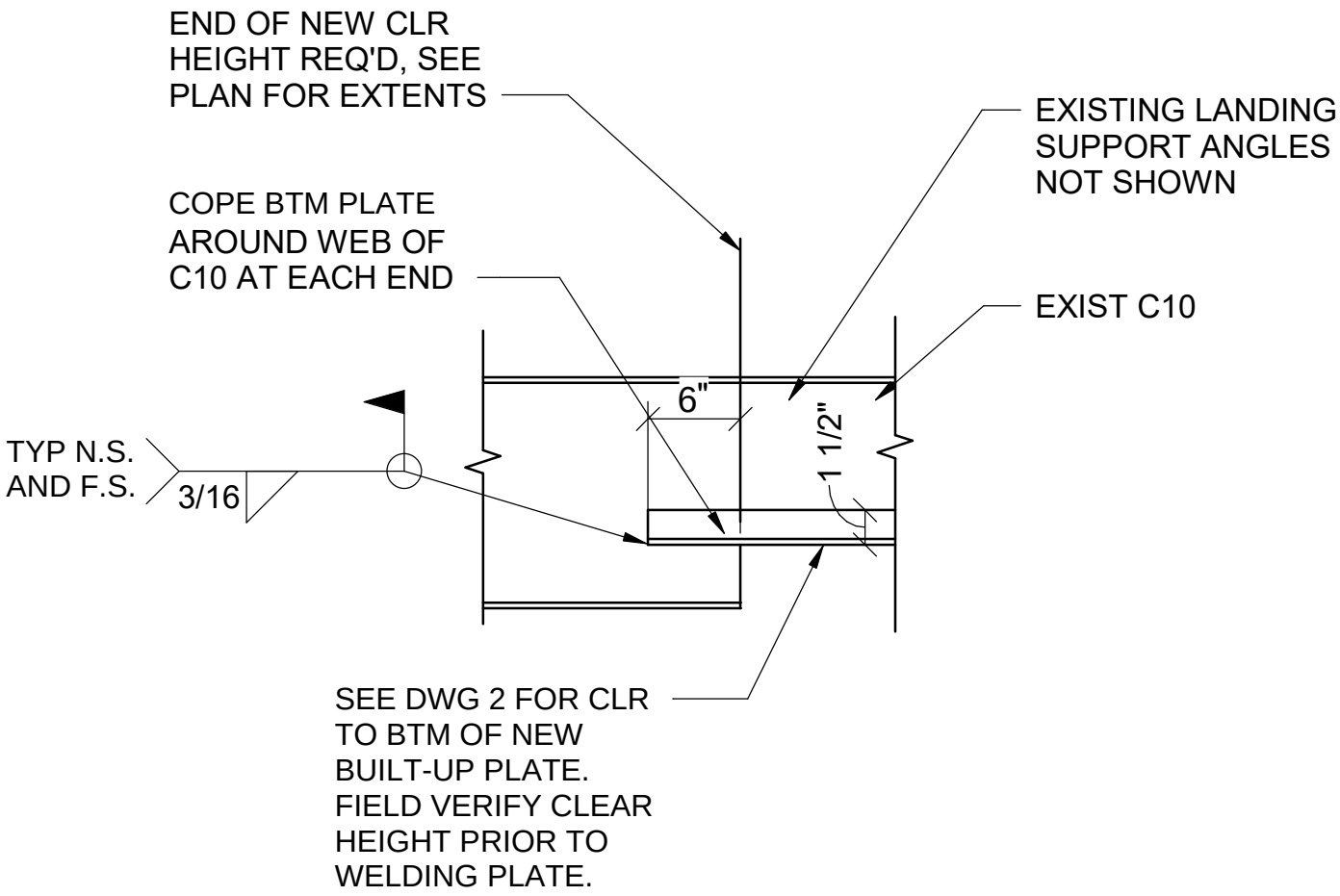
PHOTO 1



SECTION 2
NTS



DETAIL - A
NTS



TYP ELEVATION AT EACH END OF MODIFIED C10
NTS

KOKOLAKIS CONTRACTING

EST 1972

September 12, 2025

Josh Alexander
ATCT Project Manager – Parsons Transportation Group
146 Westfeldt Dr.
Fletcher, NC 28732

Project: **Greater Asheville Regional Airport Authority ATCT & TRACON**
Asheville, NC

SUBJECT: **COR#058 – RFI-285 – Door 122 Revisions.**

Mr. Alexander,

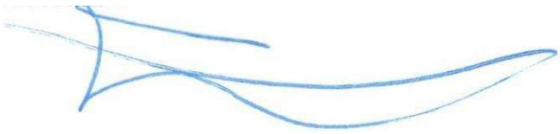
Attached you will Kokolakis Contracting's itemized cost proposal No. 058 which encompasses the additional labor, materials and equipment associated with RFI-285 – Door 122 Revisions. This Change Order Request addresses a **design coordination issue** between the early design documents and the Issued for Construction (IFC) set. In the early design, **Room 122** was designated as a **Break Room**, with the specified door hardware set reflecting that use (push/pull set without latch or lock). In the IFC set, Room 122 was **revised to an office space**; however, the door hardware schedule was not updated to reflect the new room function. To meet operational and security requirements for an office, the door hardware must be modified to include a latch and lockset. This scope change was not included in the original contract documents and is necessary to align the hardware with the revised room use.

Enclosed please find a detailed cost breakdown, summary of changes and back-up related to this change order, which to the best of our knowledge incorporates all adds/deducts associated with the abovementioned changes. This proposal is hereby submitted for a change order in the amount of **$7,494.88.**

Should you have any questions, please do not hesitate to contact me directly.

Respectfully,

KOKOLAKIS CONTRACTING, INC.



Sean Thornton, P.E.
Project Manager
Cc: Field / File

COST PROPOSAL BREAKDOWN SHEET
KC-245- Asheville Regional Airport New ATCT & Base Building

OWNER RFP # **TBD**
KOKOLAKIS PROPOSAL # **58**

TITLE **Door 122 Changes Per RFI 285**

DATE **15-Aug-25**

Description of Work	Material Quantity	Unit Cost	Per	Total Material	Total Days	Daily Rate	Total Labor	Total Cost
Kokolakis Self Perform								
								0.00
								0.00
								0.00
Sub-Total				**$0.00**			**$0.00**	**$0.00**
Subcontracted								
Cook and Boardman								6,132.79
								0.00
								0.00
Sub-Total								**$6,132.79**
TOTAL DIRECT COST								**$6,132.79**
Kokolakis OH@	10.00%							613.28
Kokolakis Profit @	10.00%							674.61
Bond Rate	1.00%							74.21
TOTAL PROPOSAL								**$7,494.88**

Change Order

361481 - Asheville Air Traffic Control Tower

Contemplated Change Order #28
Modifying Opening 122

1	**Single Door #122.R**	**HALLWAY to ONSITE ATSS 122**			**90° RH**
1	3070 1 3/4 WD 5508 PSNB F SCLC AL18 RH (HN; ML)				
1	Mortise Entrance Lockset	L9050H 06N 09-509 X L583-363 BAA-CHARGE	RH	626	SC
1	Cylinder Core	A600 7 PIN 1-EXTRA KEY CKC2		626	YA

Section Totals

08 14 16 Flush Wood Doors	1,200.00
08 71 11 Finish Hardware	945.00
Installation	3,600.00
Pre-Tax Total:	**5,745.00**

Taxes

10143	NC-Henderson County	114.90
10202	NC-NORTH CAROLINA STATE TAX 4.75%	272.89
	Tax Total:	**387.79**
	Grand Total:	**6,132.79**

KOKOLAKIS CONTRACTING
FORGING RELATIONSHIPS ANOTHER 50 YEARS

integrity@jkokolakis.com
jkokolakis.com

September 15, 2025

Joshua Alexander, CCM
ATCT Project Manager – Parsons Transportation Group
146 Westfeldt Dr.
Fletcher, NC 28732

Project: Greater Asheville Regional Airport Authority ATCT & TRACON, Asheville, NC

SUBJECT: Change Order Request (COR) #059 – Light Fixture Replacement due to Utility Power Event

Mr. Alexander,

Kokolakis Contracting submits a lump sum proposal for the above referenced Change Order Request No. 59, for the sum of **$61,599.41**. Enclosed herein you will find Kokolakis Contracting's itemized cost proposal which encompasses the additional costs for the labor, materials and equipment associated with the replacement of (29) TRACON Light Fixtures Due to Utility Power Event.

We respectfully request that this Change Order be processed in accordance with the terms of the contract and that the record drawings be updated to reflect corrected opening dimensions for any future procurement or reference.

Kindly issue a change order to incorporate the revisions enclosed. Should you have any questions, please do not hesitate to contact me directly at (215) 410-6808.

Respectfully,

KOKOLAKIS CONTRACTING, INC.



Sean Thornton, P.E.
Project Manager
Cc: Field / File

COST PROPOSAL BREAKDOWN SHEET
KC-245- Asheville Regional Airport New ATCT & Base Building

KOKOLAKIS PROPOSAL # **COR #059 Rev.3**

TITLE **COR #059 - Replacement of (29) TRACON Light Fixtures Due to Utility Power Event**

DATE **15-Sep-25**

Description of Work	Material Quantity	Unit Cost	Per	Total Material	Total Days	Daily Rate	Total Labor	Total Cost
Supply of (29) new light fixtures due to Duke Energy power spike/surges.								
Kokolakis Self Perform								
				-				
Sub-Total				**-**			**-**	**-**
Subcontracted								
BESCO Electrical Corp								
COP#27 Proposal Rev.1 9-11-25				-			-	50,156.26
Sub-Total				**-**			**-**	**50,156.26**
TOTAL DIRECT COST								**50,156.26**
Kokolakis OH@	10.00%							5,015.63
Kokolakis Profit @	10.00%							5,517.19
Bond Rate	1.50%							910.34
TOTAL PROPOSAL								**61,599.41**

VISIBLY DAMAGED FIXTURE AND DRIVER REPLACEMENT COMBINED

BESCO ELECTRICAL

Contract Modification Cost Proposal

Control No. COP #31 DATE: 9/12/2025
Revision No.

PROJECT: 220027 (TOWER NEW ATCT-TRACON FAC AVL)

DESCRIPTION

Supply of new fixtures AND drivers with controls package for power spike surges

Special Note: Fixtures are now designated as attic stock. Besco Electrical will povide no warranty for any fixtures due to power spike and "driver only" replacement. Contols are included for attic stock.

LABOR

Rates Effective 1/1/2025 - 12/31/2025	RATE	HOURS	
Estimated Manhours (logistics):	$74.80	142.00	$10,621.60
Estimated Manhours (Setup and Programming)	$112.20	0.00	$0.00
	Labor Subtotal		$10,621.60
On-Site Project Supervisor:	$107.00	0.00	$0.00
Estimator:	$118.00	2.50	$295.00
	Mgmt. Subtotal		$295.00
State Sales Tax:		6.75%	$736.87
	TOTAL LABOR		$10,916.60

MATERIAL

Material Per Take-off:			$0.00
Miscellaneous Materials:		0.00%	$0.00
Quoted (Order #: 28107251):			$26,915.80
Quoted Material ():			$0.00
Freight:			$0.00
SUBTOTAL			$26,915.80
T/O Mat 'l Escalation	0.00%	1 Year	$0.00
State Sales Tax:		6.75%	$1,816.82
TOTAL MATERIAL			$28,732.62

EQUIPMENT

Construction Equipment & disposal:	$0.00
Mobilization/Demobilization:	$0.00
	$0.00
TOTAL EQUIPMENT	$0.00

OTHER

	HOURS	
Other Costs: General Conditions		$0.00
TOTAL OTHER COSTS		$0.00

SUBTOTAL	**SUBTOTAL DIRECT COSTS**		**$39,649.22**
	Overhead	**15.00%**	**$5,947.38**
	Home Office Overhead	**0.00%**	**$0.00**
	Corporate Insurances	**0.00%**	**$0.00**
	Contingency	**0.00%**	**$0.00**
	Profit	**10.00%**	**$4,559.66**
	JOB SUBTOTAL (Minus Subcontracts)		**$50,156.26**

SUBCONTRACT			
Subcontracts:			**$0.00**
			$0.00
	Subtotal Subcontract		**$0.00**
Subcontract Mark-Up:		**10.00%**	**$0.00**
	TOTAL SUBCONTRACT		**$0.00**

	JOB SUBTOTAL		**$50,156.26**
	TOTAL SUBCONTRACT		**$0.00**
	Bond Premium	**0.00%**	**$0.00**
	TOTAL REQUESTED		**$50,156.26**
Submitted By: **Eric Green**	**Additional Time Required**		**0 Working Days**

ATTACHMENTS

Quotation Documentation

Reference Documentation

NOTES

1. **This Proposal does not contain any costs related to extension of contract time, nor acceleration of performance if required to maintain contract time, due to addition of this work.**
2. **This proposal will remain valid for sixty (60) days.**
3. **Tariffs, import duties, and related fees are not included in this proposal unless explicitly stated otherwise. Any such costs incurred will be the responsibility of the purchaser.**

KOKOLAKIS CONTRACTING

August 1, 2025

Mr. Eric Green
Besco Electrical Corporation
9829 Northcross Center Ct., Suite D
Huntersville, NC 28078

Project: Greater Asheville Regional Airport Authority ATCT & TRACON

Subject: Damaged Light Fixture Replacement – Directive to Proceed

Eric,

This letter shall serve as formal direction to proceed with the light fixture replacement at the above captioned project necessitated by Duke Energy's 7/9/25 primary power failure in accordance with the proposal provided. Please confirm lead times for the fixtures once they are received from the supplier. Release for installation is predicated on confirmation of safe primary power by Duke.

This letter shall not serve to waive any obligations, rights and remedies, whether under contract, law or in equity.

Please call or write with any questions or comments.

Respectfully,

Bill Athanasoulis
Executive Vice President

CC: JK, ST, JP, File

Quote

Quote: 28107251
Sold-To Acct #: 188511
Valid From: 08/01/2025 **To:** 08/08/2025
Payment Terms: 2% DISCT PROX 10 DUE PROX NET

Border States - CLT
9321 Porters View Dr Ste A
CHARLOTTE NC 28273-5164
Phone: 704-372-3040

Created By: Chanelle M Hausler
Tel No: 980-636-5776
Fax No:

BESCO ELECTRIC CORP
9829 NORTHCROSS CENTER CT STE D
HUNTERSVILLE NC 28078-7302

Inco Terms:
FOB ORIGIN

Taxes, if applicable, are not included.

Ship-to:
BESCO ELECTRIC CORP
9829 NORTHCROSS CENTER CT STE D
HUNTERSVILLE NC 28078-7302

Cust Item	Item	Material MFG - Description	**Quantity**	Price	Per	UoM	Value
	000010		**1** EA				
		- ACLG LIGHTING Consists of the following components: 4 EA of ACLGMISC1O STAK 2X4 5000LM 80CRI 35K COL MIN1 EZT M Type: A3 2 EA of ACLGMISC1O STAK 2X4 5000LM 80CRI 35K COL MIN1 EZT M Type: A3E 9 EA of ACLGMISC1O ZL1D L48 3000LM FST MVOLT EZ1 35K 80CRI Type: B11 10 EA of ACLGMISC1O ZL1D L48 3000LM FST MVOLT EZ1 35K 80CRI Type: B11E 1 EA of ACLGMISC1O ZL1D L48 5000LM FST MVOLT EZ1 35K 80CRI Type: B12 1 EA of ACLGMISC1O NBRG 8 KIT Type: BG1 3 EA of ACLGMISC1O LDN6 35/15 MVOLT EZ1 HSG Type: C-HOUSING 3 EA of ACLGMISC1O LO6 AR TRW LSS TRIM Type: C-TRIM 2 EA of ACLGMISC1O NPP16 D EFP Type: DP1 1 EA of ACLGMISC1O NIO BT Type: NL1 1 EA of ACLGMISC1O NCM PDT 9 RJB Type: OS1 1 EA of ACLGMISC1O NECY 347 BAC ENC GFXK Type: SC1 2 EA of ACLGMISC1O NWSXA PDT LV DX WH Type: SO1 2 EA of ACLGMISC1O NPODMA DX WH Type: SW1 1 EA of ACLGMISC1O NPODMA WH Type: SW2				$16,785.80 for lighting package $8300.00 for control package

CROWN
LIGHTING GROUP

1300 South Mint Street Charlotte, 28203
704 358 9229

To Whom it may concern:

Please reference the excerpt below from Acuity Brands Lighting pertaining to warranty terms related to weather.

> Acuity shall be excused for performance of any part of these Terms and Conditions of Sale and shall not be liable for any damages for any delay or default in delivering products or the failure to perform these Terms and Conditions of Sale where occasioned by any cause beyond the control of Acuity, including without limitation, natural disasters; explosions, fires, floods or extreme weather; embargoes; riots; war; acts of terrorism; invasion; famine; civil commotion; outbreaks of disease, epidemics, pandemics or quarantines; strikes; labor stoppages or slowdowns or other industrial disturbances; shortages of labor, raw materials, fuel, adequate power or transportation facilities; accidents; acts of government; or other similar causes. Without limiting the generality of the

A full copy of the manufacturer's warranty is attached to this correspondence as well should there be questions. Additional information can also be found at https://www.acuitybrands.com/support/warranty

Thank You

Eric Little
Vice President
Principal

Besco Electric
Dan Caylor
9829 Northcross Center Court, suite D
Huntersville, NC28078

July 22, 2025

Order #	361-1603
ABL Fixture:	Assorted
Job Name:	Asheville ATCT

To Whom it May Concern:

We appreciate the opportunity to assist you with your current situation. I want to take this opportunity to review the Acuity Brands Terms and Conditions regarding LED/OLED Commercial Products.

Our Terms and Conditions state Acuity will not be responsible under this Limited Warranty for any failure of the Product(s) that results from external causes such as acts of nature, including but not limited to power failure, overheating, improper power supply, power surges or dip. Please refer to our full Terms and Conditions located on the Acuity Brands Website at Acuity Brands Lighting, Inc.

Please note that once a product has begun subjected to adverse conditions such as what has been reported, there is no way to test or determine if the remaining products are viable for continued use. It is highly recommended that all products be replaced.

Should you have any questions or comments, please do not hesitate to contact me.

Danielle Puckett
Danielle Puckett
Customer Experience
Manager Warranty Support
C&I East Region & Holophane
Acuity Brands
—
m 404 520-7373
www.acuitybrands.com

BESCO ELECTRIC CORPORATION

9829 Northcross Center Court *PHONE (704) 892-4200*
Huntersville, NC 28078 *FAX (704) 892-5225*

VERBAL and E-Mail DIRECTIVE FOR EXTRA WORK
(not completed)

DATE: 8-19-2025 PCO# 28 – Driver only replacement for TRACON power spike

SUBJECT:

Gentlemen,

On the date of 8-19-2025, we received verbal directive from Kokolakis Contracting. These instructions were confirmed by email from Sean Thorton. Accordingly, we must advise that we will proceed with the priced and sent "PCO# 28 – Driver only replacement for TRACON power spike" and all associated costs and continue to follow these verbal instructions unless we receive your immediate written confirmation. In any event, we will expect reimbursement for all costs incurred in reliance upon your direction.

We understand that it may take time to go through all the steps necessary to bring about written authorization for extra work, and that sometimes it is more practical to do the work before that written authorization can be obtained. It has been our past practice to try to recognize your need to follow this method of operation. However, in this case, and in order to avoid any misunderstanding, we acknowledge your written authorization for changed work.

Very truly yours,
BESCO Electric Corporation

Eric Green

From: Sean Thornton <sthornton@jkokolakis.com>
Sent: Tuesday, August 19, 2025 3:38 PM
To: Travis Poteet; Eric Green
Cc: Philip Kennedy; Bill Athanasoulis; Jake Parker; Sebastian Rypien; Cameron Champaigne; Joshua.Alexander@parsons.com
Subject: Asheville ATCT / Direction to Release Driver Procurement - (29) Light Fixtures Not Functioning in TRACON
Attachments: Outlook-erqchatr

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or clicking links, especially from unknown senders.

Travis,

As discussed during our 3:00 PM meeting and in line with AVL's directive below, please proceed with procuring the replacement drivers for the twenty-nine (29) non-functioning light fixtures in the TRACON. The intent is to restore the fixtures to full operational condition.

Thank you,
Sean

Sean Thornton, P.E. | *Project Manager*
Kokolakis Contracting
264 West 40th Street, Suite 802, New York, NY 10018
o:212-563-0453 c:215-410-6808

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From: Joshua.Alexander@parsons.com <Joshua.Alexander@parsons.com>
Sent: Tuesday, August 19, 2025 2:38 PM
To: Sean Thornton <sthornton@jkokolakis.com>; Cameron Champaigne <CChampaigne@JKokolakis.com>
Subject: Light Fixture Repair

Sensitive

Sean,
Regarding the repair of the (29) light fixtures that were damaged by the Duke Utility power event, please move forward with procurement of the replacement drivers provided we know that this will bring the lights back to operational condition and that the drivers will be onsite in +/- 2 weeks.

Thanks,

Josh Alexander, CCM

ATCT Project Manager

Parsons Transportation Group

146 Westfeldt Dr.

Fletcher, NC 28732

joshua.alexander@parsons.com

M: +1 919.901.2940

Parsons / LinkedIn / Twitter / Facebook / Instagram



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Larger Photo | Email A Friend



eldoLED SOLOdrive 50L-M1M0A Constant Current LED Driver

Dimming Curve:LIN

Min Dim Level

− 6 +

$390.00





eldoLED SOLOdrive 30U-M1A0A Constant Current LED Driver

Dimming Curve:LIN

Min Dim Level

− 21 +

$1,260.00

eldoLED SOLOdrive 30U-M1A0A Constant Current LED Driver

☆☆☆☆☆ *0 Reviews*

Our Price: $60.00

Product Code: SL30U-M1A0A

Dimming Curve*:

LIN

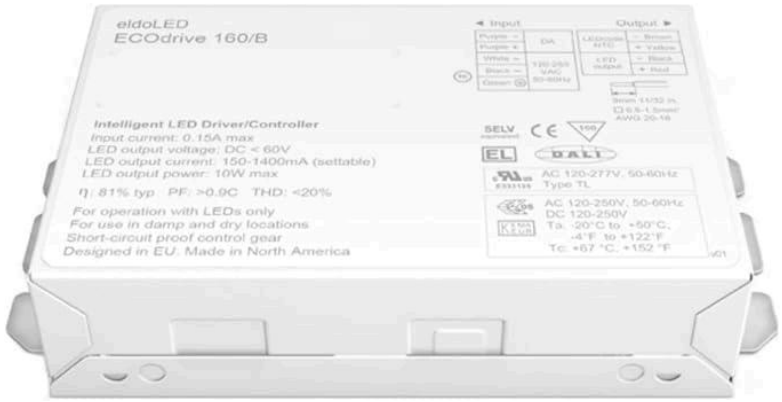
Delivering to Huntersville 28078
Update location
Tools & Home Improvement
Search Ar
EN
Hello, sign in
Account & Lists
Returns
& Orders
0

All Amazon Haul Medical Care Luxury Stores Best Sellers Amazon Basics Groceries New Releases Today's Deals Prime

Tools & Home Improvement Best Sellers Deals & Savings Gift Ideas Power & Hand Tools Lighting & Ceiling Fans Kitchen & Bath Fixtures Smart Home

Shop now

Sponsored



eldoLED | ECOdrive 161/B | 10W 0-10V LED Driver with Smooth Dimming to 1%

Brand: LLS

$60.00

Get $80 off instantly: Pay $0.00 upon approval for the Amazon Store Card.

- Natural dimming: Dim to 1%, smooth brightness changes, excellent flicker performance, adaptable dimming curves, configurable minimum dimming level
- LEDcode: Configurable design to work with most constant current LED modules and arrays, while providing a connection point to integrated peripheral controls.
- Programmable: Fine-tune your driver for any application

$60.00

FREE delivery **Wednesday, August 27**. Details

Or fastest delivery **Tuesday, August 26**. Order within 2 hrs 38 mins. Details

Delivering to Huntersville 28078 - Update location

Only 20 left in stock - order soon.

This product needs to be customized before adding to cart.

Customize now

By clicking "Customize now", you agree to these Terms and Conditions.

CROWN
LIGHTING GROUP

1300 South Mint Street Charlotte, 28203
704 358 9229

To Whom it may concern:

Please reference the excerpt below from Acuity Brands Lighting pertaining to warranty terms related to weather.

> Acuity shall be excused for performance of any part of these Terms and Conditions of Sale and shall not be liable for any damages for any delay or default in delivering products or the failure to perform these Terms and Conditions of Sale where occasioned by any cause beyond the control of Acuity, including without limitation, natural disasters; explosions, fires, floods or extreme weather; embargoes; riots; war; acts of terrorism; invasion; famine; civil commotion; outbreaks of disease, epidemics, pandemics or quarantines; strikes; labor stoppages or slowdowns or other industrial disturbances; shortages of labor, raw materials, fuel, adequate power or transportation facilities; accidents; acts of government; or other similar causes. Without limiting the generality of the

A full copy of the manufacturer's warranty is attached to this correspondence as well should there be questions. Additional information can also be found at https://www.acuitybrands.com/support/warranty

Thank You

Eric Little
Vice President
Principal

Besco Electric
Dan Caylor
9829 Northcross Center Court, suite D
Huntersville, NC28078

July 22, 2025

Order #	361-1603
ABL Fixture:	Assorted
Job Name:	Asheville ATCT

To Whom it May Concern:

We appreciate the opportunity to assist you with your current situation. I want to take this opportunity to review the Acuity Brands Terms and Conditions regarding LED/OLED Commercial Products.

Our Terms and Conditions state Acuity will not be responsible under this Limited Warranty for any failure of the Product(s) that results from external causes such as acts of nature, including but not limited to power failure, overheating, improper power supply, power surges or dip. Please refer to our full Terms and Conditions located on the Acuity Brands Website at Acuity Brands Lighting, Inc.

Please note that once a product has begun subjected to adverse conditions such as what has been reported, there is no way to test or determine if the remaining products are viable for continued use. It is highly recommended that all products be replaced.

Should you have any questions or comments, please do not hesitate to contact me.

Danielle Puckett
Danielle Puckett
Customer Experience
Manager Warranty Support
C&I East Region & Holophane
Acuity Brands
—
m 404 520-7373
www.acuitybrands.com

KOKOLAKIS CONTRACTING

EST 1972

September 9, 2025

Josh Alexander
ATCT Project Manager – Parsons Transportation Group
146 Westfeldt Dr.
Fletcher, NC 28732

Project: **Greater Asheville Regional Airport Authority ATCT & TRACON**
Asheville, NC

SUBJECT: **COR#060 – RFI 256 & 281 – Canopy Entrance Handrail Design Omissions Rev.1**

Mr. Alexander,

Attached you will Kokolakis Contracting's itemized cost proposal No. 060 which encompasses the additional labor, materials and equipment associated with RFIs 256 & 281. This Change Order Request is issued in response to requirements identified in **RFI-256** and **RFI-281**. The Building Department has mandated the addition of **supplemental handrails** along the sloped sidewalk to achieve full compliance with applicable building codes and accessibility standards. These additional handrails were **not included in the Issued for Construction (IFC) drawings** and therefore represent work beyond the original contract scope.

Enclosed please find a detailed cost breakdown, summary of changes and back-up related to this change order, which to the best of our knowledge incorporates all adds/deducts associated with the abovementioned changes. This proposal is hereby submitted for a change order in the amount of **$48,633.12**.

Should you have any questions, please do not hesitate to contact me directly.

Respectfully,

KOKOLAKIS CONTRACTING, INC.

Sean Thornton, P.E.
Project Manager
Cc: Field / File

COST PROPOSAL BREAKDOWN SHEET
KC-245- Asheville Regional Airport New ATCT & Base Building

OWNER RFP # **RFI #256; 281**
KOKOLAKIS PROPOSAL # **COR #060**

TITLE **COR #060 - RFI#256 & 281 - Canopy Entrance Handrail Design Omissions Rev.1**

DATE **09-Sep-25**

Description of Work	Material Quantity	Unit Cost	Per	Total Material	Total Days	Daily Rate	Total Labor	Total Cost
COR #060 - RFI#256 & 281 - Canopy Entrance Handrail Design Omissions								
Kokolakis Self Perform								
						-	-	
				-				
Sub-Total				**-**			**-**	**-**
Subcontracted								
Southern Ridge Welding								
Invoice No. 180, 9/4/25 - Scope of Work Enclosed.				-			-	39,598.68
Sub-Total				**-**			**-**	**39,598.68**
TOTAL DIRECT COST								**39,598.68**
Kokolakis OH@	10.00%							3,959.87
Kokolakis Profit @	10.00%							4,355.85
Bond Rate	1.50%							718.72
TOTAL PROPOSAL								**48,633.12**

SOUTHERN RIDGE WELDING

INVOICE

NO 180

(706) 830-9789
3270 Windwood St., Evans, GA
30809
SouthernRidgeWelding@gmail.com

09.04.2025

FROM	TO	JOB DURATION
Southern Ridge Welding	Kokolakis	08/14/2025-08/21/2025

PROJECT SERVICES	QTY	PRICE	TOTAL
Superintendent worked hours	40	$94.83	$3,793.20
Journeyman worked hours	140	$80.00	$11,200.00
Apprentice worked hours	40	$63.85	$2,554.00
General Foreman worked hours	50	$86.50	$4,325.00
Superintendent overtime hours	10	$116.88	$1,168.80
Journeyman overtime hours	30	$94.00	$2,820.00
Apprentice overtime hours	10	$80.28	$802.80
General Foreman overtime hours	10	$96.50	$965.00
Per Diem	6	$100.00 per day	$3,600.00
Gang Box	1	$100.00 per week	$100.00
Materials and Consumables	-	$6,269.88	$6,269.88
Company Vehicle	2	$500 per week	$1,000.00
Welding Machine	2	$500 per week	$1,000.00

NOTES: Asheville Airport/ Fabrication and installation of canopy handrail

Subtotal	$39,598.68
Tax	$ 0
TOTAL	$39,598.68

RFI 281-R1 CONTRACTOR POSTED TO PROCORE 8.20.2025

Sean Thornton

August 20, 2025 at 1:43 PM

The attached Henderson County Building Inspector's report (Inspection Date: 4/7/25) identifies this scope of work as failed due to the "transition from stairs to ramp at TRACON entrance not building code or ADA compliant".

This determination directly contradicts the Architect's 8/18/25 response to RFI #256, which asserted that the entrance plaza does not constitute a ramp and therefore does not require handrails under ANSI A117.1 or guardrails under NCBC. Further, the Architect's 8/18/25 response to RFI #256 did not provide the information specifically requested by Kokolakis. Our RFI sought:

- An elevation view illustrating the intended appearance and configuration of the handrails.
- A detailed installation drawing showing mounting method, spacing, and finish requirements.

This information is necessary to ensure fabrication and installation of handrails in full compliance with ADA and applicable building code standards.

In light of the Inspector's findings of non-compliance, we request that the Architect issue a revised response to RFI #256, including the required design drawings and installation details, to document a code-compliant handrail solution at the TRACON entrance.

INSPECTION RESULTS

100 N King St, Hendersonville, NC 28792
828-697-4830

Applicant J. Kokolakis Contracting, Inc.

Application Type COMMERCIAL - NEW CONSTRUCTION

Application # CB-23-00100

Parcel # 1017138

Site Address 146 WESTFELDT RD FLETCHER, NC 28732

Inspector	Inspection Type	Date	Status	Comments	Total Action Points
John Albea	FOUNDATION	07-Apr-25	FAILED	Transition from stairs to ramp at traecon entrance not building code or ada compliant	

Task Description	Status	Comments	Group	Action Points
INSPECTION RESULTS	PENDING			

Corrections :	Description	Status	Status Date
	No Corrections	N/A	

Kokolakis Contracting
202 East Center Street
Tarpon Springs, Florida 34689
P: +17279422211

Project: KC-0245-22 Asheville ATCT Facility
146 Wesfeldt Rd.
Fletcher , North Carolina 28732

RFI #281: RFI 256 Follow-Up - Clarification and Additional Information for Handrail at Canopy Stairs

Revision	0	**Status**	Open
To	Jared Reynolds (Pond & Company)	**From**	Cameron Champaigne (Kokolakis Contracting) 202 E. Center St. Tarpon Springs, Florida 34689
Date Initiated	Aug 4, 2025	**Due Date**	Aug 8, 2025
Location		**Project Stage**	
Cost Impact	TBD	**Schedule Impact**	TBD
Spec Section		**Cost Code**	
Drawing Number		**Reference**	
Linked Drawings			
Received From		**Sub Job**	
Copies To	Joshua Alexander (Parsons Transportation Group), Bill Athanasoulis (Kokolakis Contracting), Michael Burton (Kokolakis Contracting), Cameron Champaigne (Kokolakis Contracting), Phil Kennedy (Kokolakis Contracting), Jake Parker (Kokolakis Contracting), Jared Reynolds (Pond & Company), Sebastian Rypien (Kokolakis Contracting), Sean Thornton (Kokolakis Contracting)		

ADDITIONAL INFORMATION FOR OPR

Contract Number		**Reply Email Address**	
Remarks			

Activity

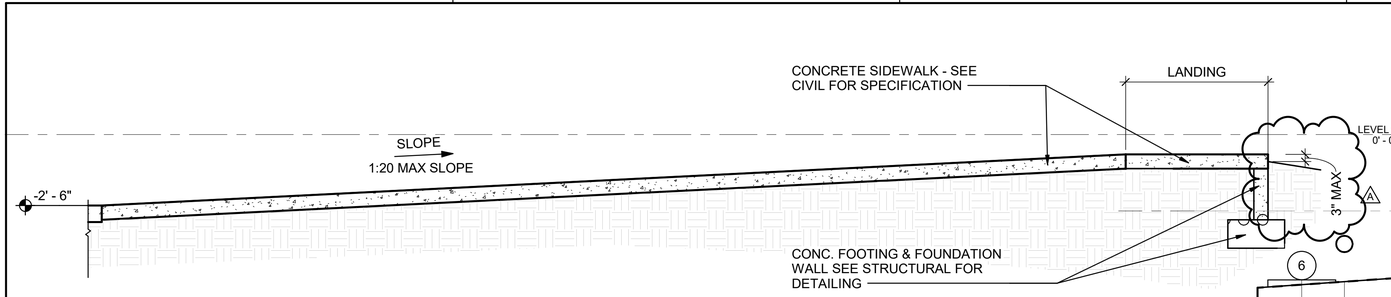
Question

Question from Cameron Champaigne Kokolakis Contracting *on Monday, Aug 4, 2025 at 04:18 PM EDT*

As a follow-up to RFI 256 regarding the entry plaza canopy stairs that merge with the ramp (reference Sheet A-415), we are requesting additional clarification to ensure proper coordination and installation of the handrail system. Specifically, please provide a plan view showing the full extent and routing of the handrail as it wraps around the outside of the stair and leads up to the building. The building inspector is requiring an outer rail to prevent anyone from rolling off as there is a drop-off due to the grading beyond the ramp. In addition, we request an elevation view illustrating the intended appearance and configuration of the handrails, as well as a detailed installation drawing showing mounting method, spacing, and any finish requirements. This information is necessary to ensure the handrail is fabricated and installed in full compliance with ADA and applicable building code standards.

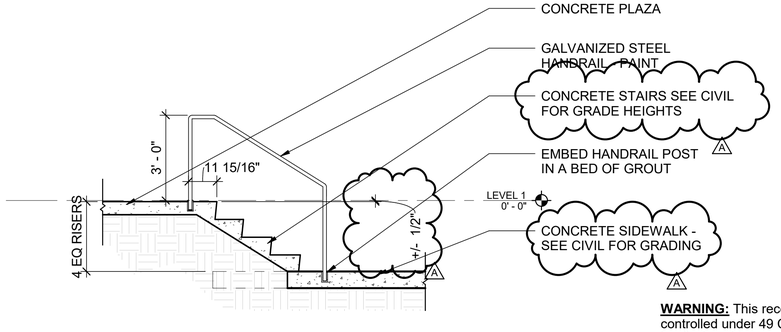
Attachments
Marked Up - Response to RFI 256.pdf

Awaiting an Official Response



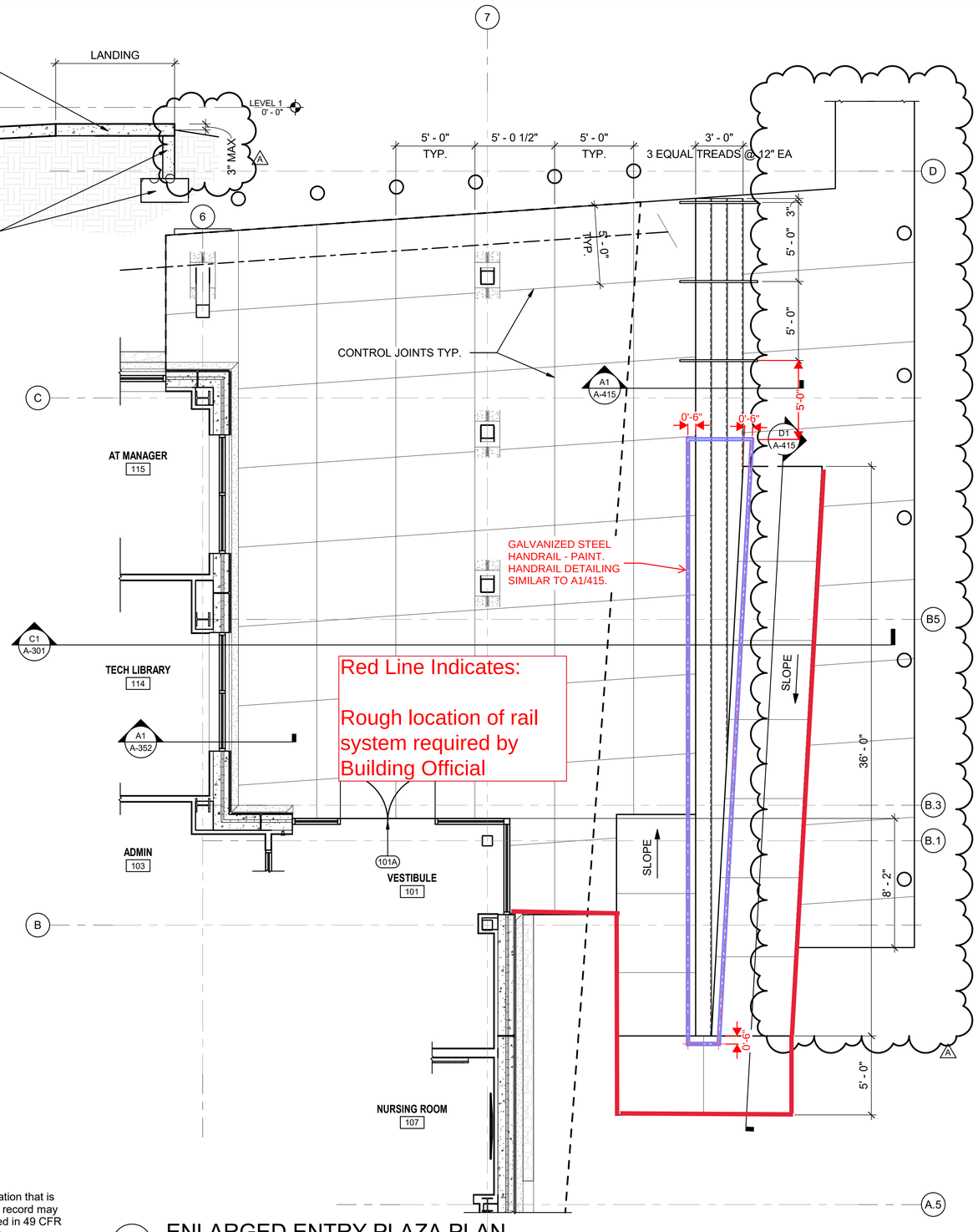
D1 SECTION THROUGH LOW SLOPE ENTRANCE PATHWAY

SCALE: 3/8" = 1'-0"



A1 STAIRWAY SECTION TO ENTRY PAVILION

SCALE: 3/8" = 1'-0"



A3 ENLARGED ENTRY PLAZA PLAN

SCALE: 1/4" = 1'-0"

SCALE: 1/4" = 1'-0"

SCALE: 3/8" = 1'-0"

WARNING: This record contains Sensitive Security Information that is controlled under 49 CFR parts 15 and 1520. No part of this record may be disclosed to persons without a "need to know", as defined in 49 CFR parts 15 and 1520, except with the written permission of the Administrator of the Transportation Security Administration or the Secretary of Transportation. Unauthorized release may result in civil penalty or other action. For U.S. government agencies, public disclosure is governed by 5 U.S.C. 552 and 49 CFR parts 15 and 1520.

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ISSUED FOR CONSTRUCTION

POND
3500 Parkway Lane
Suite 500
Peachtree Corners
Georgia 30092

EOR/AOR SEAL

JORGE A. MENDEZ REGISTERED ARCHITECT 15878 12.21.22 NORTH CAROLINA JOHNS CREEK, GA

COA STAMP

POND & ASSOCIATES, INC. REGISTERED ARCHITECTURAL CORPORATION 51472 NORTH CAROLINA PEACHTREE CORNERS, GA

CLIENT INFORMATION

Asheville REGIONAL AIRPORT

PROJECT NAME

GREATER ASHEVILLE REGIONAL AIRPORT AUTHORITY ATCT & TRACON

146 Westfeldt Rd,
Mills River, NC 28732

DRAWING ISSUE

MARK	DESCRIPTION	DATE
A	ISSUED FOR CONSTRUCTION	12/21/2022

DESIGNED BY:	DGM
DRAWN BY:	ERA
CHECKED BY:	LTH
SUBMITTED BY:	RCJ
DATE:	21 DECEMBER 2022
PROJECT #:	1210250

SHEET TITLE

ENTRY PLAZA

SENSITIVE SECURITY INFORMATION
CONTROLLED UNDER 49 CFR PARTS 15 AND 1520.

SHEET NUMBER

A-415

ORIGINAL SHEET SIZE:
22" X 34"

12/22/2022 2:25:00 PM BIM 360://1210250 AVL ATCT-TRACON/1210250_AVL ATCT-TRACON_ARCH_v21.rvt

1. This RFI makes reference to a "ramp". The entrance plaza that is being referenced does not contain a ramp. A ramp is defined as having a running slope greater than 1:20 and not steeper than 1:12 (2009 ANSI A117.1 - 405.2). The entrance plaza that is being referenced does however contain a walking surface. A walking surface does not exceeding a slope of 1:20, this is shown in the construction documents as well as depicted within RFI 256. A walking surface is a component of an accessible route (2009 ANSI A117.1 - 402.2).

2. Handrails are only required for ramps and stairs (2009 ANSI A117.1 - 505.1) and on each side of ramps and stairs (2009 ANSI A117.1 - 505.2). Since the entrance plaza contains a walking surface and not a ramp, handrails are not required per 2009 ANSI A117.1.

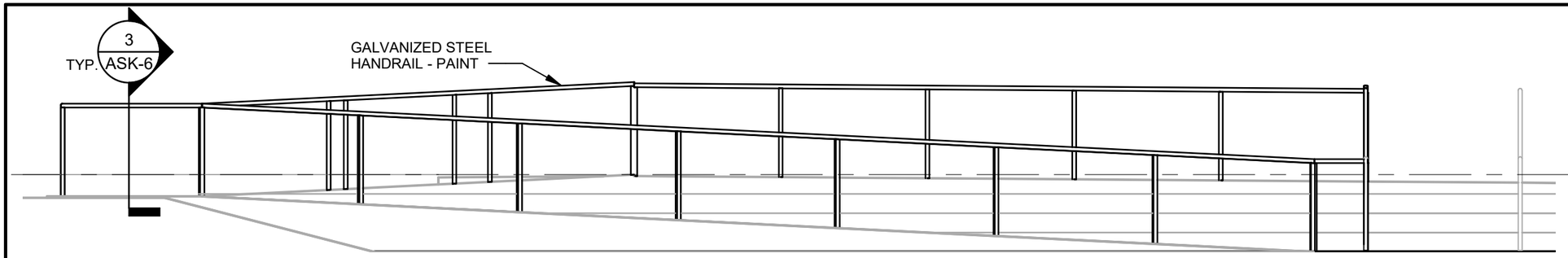
3. Per 2018 NCBC section 1015.2, guards shall be located along open-sided walking surfaces [...] that are located more than 30 inches measured vertically to the [...] grade below at any point within 36 inches horizontally to the edge of the open side. As depicted in the construction documents, the distance between the top of the walking surface and finished grade shall not exceed 3 inches in which shall not require a guardrail.

4. The walking surface designed within the construction documents is in compliance with applicable building and accessibility codes as follows:
- It is a component of an accessible route (2009 ANSI A117.1 - 402.2)
- The running slope of the walking surface shall not steeper than 1:20 (2009 ANSI A117.1 - 403.3)
- The clear width of an accessible route shall be 36 inches minimum (2009 ANSI A117.1 - 403.5.1)
- Handrails are not required (2009 ANSI A117.1 - 403.6, 505.1, 505.2)
- Walking surface is not located more than 30 inches measured vertically from grade (2018 NCBC - 1015.2)

5. It is our opinion (Pond) that the new rail location is not required. If rail is required per inspectors direction, follow location detailing, installation detailing and finish requirements as described within the construction documents and RFI 256.

DGM - 08/18/25

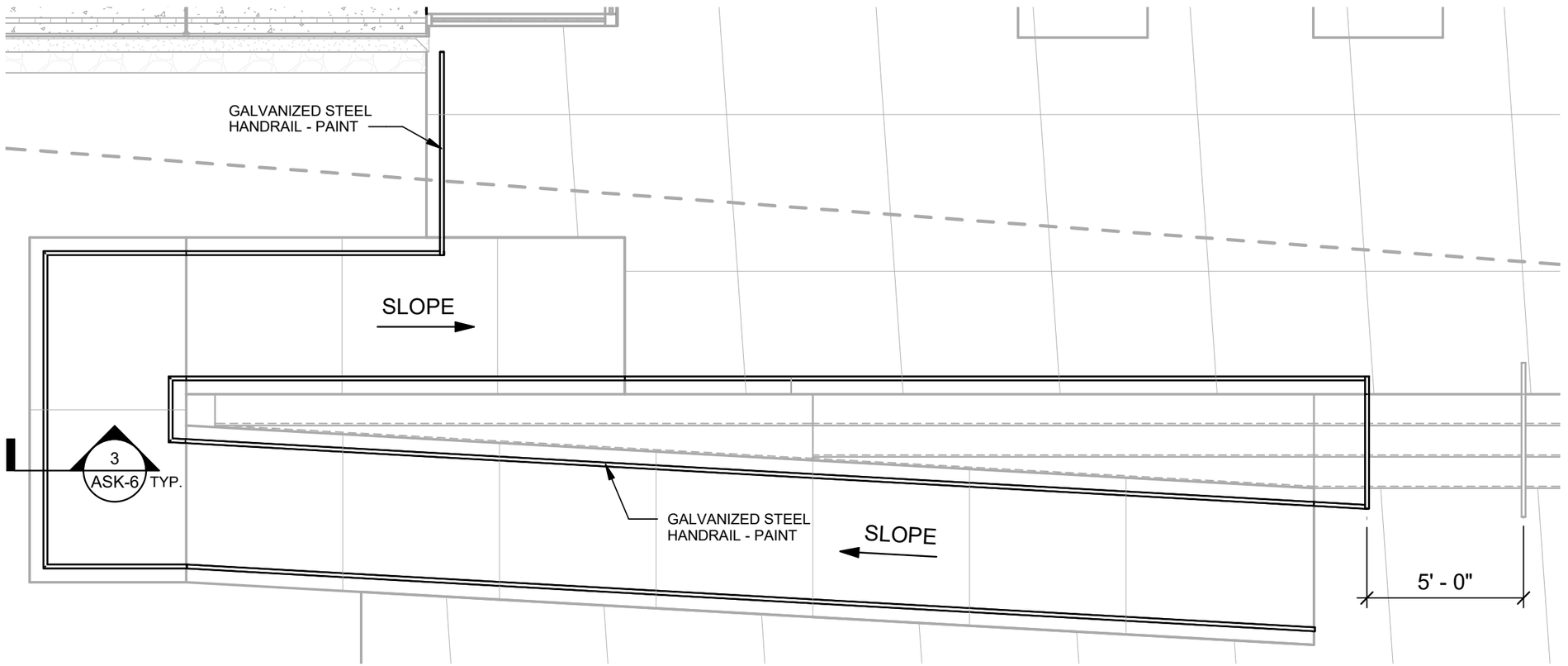
Added updated sketch. DGM 09/17/25



JORGE A. MENDEZ
REGISTERED ARCHITECT
15878
9.17.25
NORTH CAROLINA
JOHNS CREEK, GA

2 ENLARGED ENTRY PLAZA ELEVATION

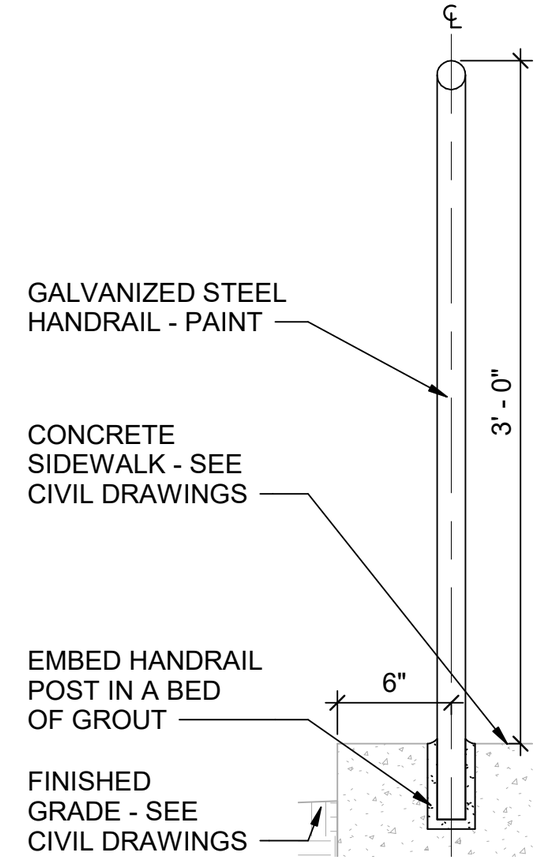
SCALE: 1/4" = 1'-0"



1 ENLARGED ENTRY PLAZA PLAN

SCALE: 1/4" = 1'-0"

ASK-6 / 2



3 SECTION DETAIL

SCALE: 1 1/2" = 1'-0"

POND

3500 Parkway Lane
Suite 500
Peachtree Corners, GA 30092
Phone (678) 336-7740
Fax (678) 336-7744
Web: www.pondco.com

GREATER ASHEVILLE REGIONAL AIRPORT AUTHORITY ATCT & TRACON

146 Westfeldt Rd, Mills River, NC 28732

DESCRIPTION:

RFI 281 CLARIFICATION AND ADDITIONAL INFORMATION FOR HANDRAIL AT CANOPY STAIRS

DATE:
17 SEPTEMBER 2025

DRAWING NO:
ASK-6

KOKOLAKIS CONTRACTING

EST 1972

September 17, 2025

Josh Alexander
ATCT Project Manager – Parsons Transportation Group
146 Westfeldt Dr.
Fletcher, NC 28732

Project: **Greater Asheville Regional Airport Authority ATCT & TRACON**
Asheville, NC

SUBJECT: **COR#061- RFI-283 FAA/AVL Requested Drip Pans - Overhead Storm Piping T512**

Mr. Alexander,

Attached you will Kokolakis Contracting's itemized cost proposal No. 061 which encompasses the additional labor, materials and equipment associated with RFI-283 FAA/AVL Requested Drip Pans - Overhead Storm Piping T512. This Change Order Request is the result of a **design omission** identified during construction. The FAA has requested the installation of **drip pans** in all locations where piping passes over **sensitive rack-mounted equipment** to protect critical systems from potential water intrusion or condensation.
This requirement was **not included in the original design documents** and therefore constitutes work outside the original contract scope. The change includes furnishing and installing drip pans, supports, and all associated hardware in accordance with FAA direction and industry best practices, ensuring the protection and operational integrity of the equipment.

Enclosed please find a detailed cost breakdown, summary of changes and back-up related to this change order, which to the best of our knowledge incorporates all adds/deducts associated with the abovementioned changes. This proposal is hereby submitted for a change order in the amount of **$2,834.62.**

Should you have any questions, please do not hesitate to contact me directly.

Respectfully,

KOKOLAKIS CONTRACTING, INC.

Cameron Champaigne

Cameron Champaigne
Assistant Project Manager
Cc: Field / File

COST PROPOSAL BREAKDOWN SHEET
KC-245- Asheville Regional Airport New ATCT & Base Building

OWNER RFP # 61
KOKOLAKIS PROPOSAL # 61

TITLE RFI-283 FAA/AVL Requested Drip Pans - Overhead Storm Piping T512

DATE 17-Sep-25

Description of Work	Material Quantity	Unit Cost	Per	Total Material	Total Days	Daily Rate	Total Labor	Total Cost
Kokolakis Self Perform								
								0.00
								0.00
								0.00
Sub-Total				**$0.00**			**$0.00**	**$0.00**
Subcontracted								
Cam-Ful Industries								2,319.47
								0.00
								0.00
Sub-Total								**$2,319.47**
TOTAL DIRECT COST								**$2,319.47**
Kokolakis OH@	10.00%							231.95
Kokolakis Profit @	10.00%							255.14
Bond Rate	1.00%							28.07
TOTAL PROPOSAL								**$2,834.62**

CAM-FUL INDUSTRIES INC.
P.O. BOX 279
PINEVILLE, NC 28134
Phone: 704/556-0301
Fax: 704/556-0366

September 12, 2025

Via Email: sthorton@jkokolakis.com

Kokolakis Contracting
202 E Center Street
Tarpon Springs, FL 34689

Attn: Sean Thorton

RE: GREATER ASHEVILLE REGIONAL AIRPORT AUTHORITY ATCT & TRACON
PLUMBING SUBCONTRACT
CAM-FUL CHANGE REQUEST NUMBER 3786-500-031
PROVIDE DRIP PANS UNDER THE STORM PIPES IN T512 PER RFI 283

Dear Sean,

Please find the attached detailed labor, material, and equipment breakdown for the additional cost associated with the additional work to provide drip pans under the storm pipes in T512 per RFI 283. After your review of the attached detailed breakdown for this additional work, please advise us upon approval and/or change order proceedings.

TOTAL CAM-FUL CHANGE REQUEST NUMBER 3786-500-031 **$2,319.47**

If you have any questions or concerns regarding this change request for additional work, please feel free to contact our office.

Exclusions: *No painting, ceiling grid or tile removal and replacement, power or control wiring, overtime work, concrete work, cutting or patching sheet rock or masonry or roofing. No vapor barrier for underground piping.*

Note: *Due to market price fluctuations beyond our control, this proposal is offered 30 days and may be withdrawn from consideration due to cost increase or change in job conditions creating additional cost of installation.*

Sincerely,
CAM-FUL INDUSTRIES, INC.

Ron Morton

Ron Morton
Plumbing Project Manager

Attachments – (2)
2 – Labor & Material Breakdown

CC: 3786-500 CR
TCC / RS

RM/ds

CAM-FUL INDUSTRIES INC.
P.O. BOX 279
PINEVILLE, NC 28134
Phone: 704/556-0301
Fax: 704/556-0366

CHANGE REQUEST LABOR & MATERIAL BREAKDOWN

ATTENTION: John Kokolakis; Kokolakis Contracting

JOB NAME: Greater Asheville Regional Airport Authority ATCT & TRACON

JOB NUMBER: 3786-500

CHANGE REQUEST NUMBER: 3786-500-031

CHANGE REQUEST DESCRIPTION: Provide Drip Pans Under The Storm Pipes in T512 per RFI 283

Labor	MATERIAL			
Total	MATERIAL DESCRIPTION	QTY	PRICE	TOTAL
20	Drip Pans	1	$ 700.00	$ 700.00
	Unistrut	20	$ 3.50	$ 70.00
	All Thread & Anchors	1	$ 50.00	$ 50.00
	Drawing Reproduction Cost			
	Safety Costs			
	Parking			
			TOTAL MATERIALS:	$ 820.00

EQUIPMENT

LABOR	DESCRIPTION	UNIT	QTY	PRICE	TOTAL
20	**:FIELD LABOR**			**TOTAL EQUIPMENT:**	$ -

CAM-FUL INDUSTRIES INC.
P.O. BOX 279
PINEVILLE, NC 28134
Phone: 704/556-0301
Fax: 704/556-0366

CHANGE REQUEST LABOR & MATERIAL BREAKDOWN

ATTENTION:	**John Kokolakis; Kokolakis Contracting**									
JOB NAME:	**Greater Asheville Regional Airport Authority ATCT & TRACON**									
JOB NUMBER:	**3786-500**									
CHANGE REQUEST NUMBER:		**3786-500-031**								
CHANGE REQUEST DESCRIPTION:		**Provide Drip Pans Under The Storm Pipes in T512 per RFI 283**								
1	COST OF MATERIALS (Per attached breakdown)							$ 820.00		
2	EQUIPMENT RENTAL (Per attached breakdown)							$ -		
3	SUBTOTAL I (Add lines 1 & 2)							$ 820.00		
4	SALES TAX (7.25% of Subtotal I)							$ 59.45		
5	LABOR									
	GENERAL LABOR		HRS @	$ 55.61	$ -					
	OPERATOR LABOR		HRS @	$ 57.17	$ -					
	PLUMBER LABOR	20	HRS @	$ 59.90	$ 1,198.00					
	HVAC DUCT LABOR		HRS @	$ 58.73	$ -					
	PIPE FITTER LABOR		HRS @	$ 71.01	$ -					
	FIRE PROTECTION LABOR		HRS @	$ 56.13	$ -					
	DETAILING/TECHNICIAN LABOR		HRS @	$ 75.00	$ -					
						LABOR SUBTOTAL		$ 1,198.00		
6	LABOR BURDEN (Insurance & related payroll cost - 46.55% of line 5)							N/A		
7	SUBTOTAL II (Add lines 3, 4, 5, and 6)									$ 2,077.45
8	GENERAL OVERHEAD									
	N/A									
	N/A - if change involves deduction									
9	PROFIT									$ 207.75
	10% - if change involves additional cost									
	N/A - if change involves deduction									
	SUBCONTRACT WORK (Itemized breakdown(s) attached)									
10	TOTAL SUBCONTRACT(S)									$ -
11	COMMISSION ON SUBCONTRACT(S)									$ -
	10% - if change involves additional cost									
	0% - if change involves deduction									
12	FINAL SUBTOTAL (Add lines 7, 8, 9, 10, and 11)									$ 2,285.20
13	BONDS COST									$ 34.28
	(3786 - Yes)									
								TOTAL CHANGE REQUEST:		**$ 2,319.47**
								EXTENSION OF TIME REQUESTED:		

KOKOLAKIS CONTRACTING
FORGING RELATIONSHIPS ANOTHER 50 YEARS

integrity@jkokolakis.com
jkokolakis.com

October 6, 2025

Joshua Alexander, CCM
ATCT Project Manager – Parsons Transportation Group
146 Westfeldt Dr.
Fletcher, NC 28732

Project: Greater Asheville Regional Airport Authority ATCT & TRACON
Asheville, NC

SUBJECT: Change Order Request (COR) #063 – Unit Cost Worksheet – Owner Allowance Contract Deduct

Mr. Alexander,

Kokolakis Contracting submits a lump sum proposal for the above referenced Change Order Request No. 63, for the sum of (**$471,943.93)**. Enclosed herein you will find Kokolakis Contracting's itemized cost proposal which encompasses the revised Unit Cost Worksheet Summary and respective statuses.

Kindly issue a change order to incorporate the revisions enclosed. Should you have any questions, please do not hesitate to contact me directly at (215) 410-6808.

Respectfully,

KOKOLAKIS CONTRACTING, INC.



Sean Thornton, P.E.
Project Manager
Cc: Field / File

COST PROPOSAL BREAKDOWN SHEET
KC-245- Asheville Regional Airport New ATCT & Base Building

KOKOLAKIS PROPOSAL # **COR #063**

TITLE **COR #063 - Unit Cost Worksheet Allowance Reconciliation**
DATE **06-Oct-25**

Description of Work	Material Quantity	Unit Cost	Per	Total Material	Total Days	Daily Rate	Total Labor	Total Cost
Unit Cost Allowance - Deduct Sum as per Kokolakis & AVL Review Meetings held 10/3/25 & 10/6/25.								
Kokolakis Self Perform								
Unit Cost Worksheet - Owner Allowance Deduct				-				$ (471,943.93)
Sub-Total				**-**			**-**	**(471,943.93)**
TOTAL DIRECT COST								**(471,943.93)**
Kokolakis OH@								-
								-
Kokolakis Profit @								-
								-
Bond Rate								-
TOTAL PROPOSAL								**(471,943.93)**

ASHEVILLE REGIONAL AIRPORT
ATCT & Base Building Facility

Billing Through 10/9/25
Included in September 2025 - Payment Application #31

Unit Cost Worksheet (REVISED PER CHANGE ORDER #6 & 7)

				This Pay App				
ITEM NO.	SPEC NO.	DESCRIPTION	Previous Total	Current Month Total	Total Completed and Stored	Est. Bid Time Total	Variance-Over/(UNDER)	STATUS (Settled (CO#7)/Under Review)
		SITE CIVIL						
1	NCDOT 226	COMPREHENSIVE GRADING	1,183,404.60		1,183,404.60	1,183,404.60	-	Settled (CO#7)
2	NCDOT 230	BORROW EXCAVATION	202,293.00	-	202,293.00	202,293.00	-	Settled (CO#7)
3	NCDOT 260	PROOF ROLLING	16,537.50	-	16,537.50	16,537.50	(0.00)	Settled (CO#7)
4	NCDOT 305	4" PVC PIPE	-	-	-	11,275.64	(11,275.64)	Settled (CO#7)
5	NCDOT 305	6" PVC PIPE	-	-	-	9,452.52	(9,452.52)	Settled (CO#7)
6	NCDOT 305	15" CLASS III RCP STORM DRAIN PIPE	132,603.21	-	132,603.21	186,473.25	(53,870.04)	Settled (CO#7)
7	NCDOT 305	15" CLASS IV RCP STORM DRAIN PIPE	3,378.38	-	3,378.38	3,378.38	-	Settled (CO#7)
8	NCDOT 305	18" CLASS III RCP STORM DRAIN PIPE	51,171.75	-	51,171.75	51,171.75	-	Settled (CO#7)
9	NCDOT 305	18" CLASS IV RCP STORM DRAIN PIPE	6,907.43	-	6,907.43	6,907.43	-	Settled (CO#7)
10	NCDOT 305	24" CLASS III RCP STORM DRAIN PIPE	58,496.76	-	58,496.76	53,867.52	4,629.24	Settled (CO#7)
11	NCDOT 305	24" CLASS III RCP STORM DRAIN PIPE	6,165.60	-	6,165.60	5,394.90	770.70	Settled (CO#7)
12	NCDOT 305	36" CLASS III RCP STORM DRAIN PIPE	211,377.60	-	211,377.60	209,790.00	1,587.60	Settled (CO#7)
13	NCDOT 305	36" CLASS IV RCP STORM DRAIN PIPE	20,286.63	-	20,286.63	20,286.63	-	Settled (CO#7)
14	NCDOT 305	54" CLASS III RCP STORM DRAIN PIPE	381,554.46	-	381,554.46	381,554.46	-	Settled (CO#7)
15	NCDOT 305	54" CLASS IV RCP STORM DRAIN PIPE	266,309.19	-	266,309.19	266,309.19	-	Settled (CO#7)
16	NCDOT 340	15" HDPE PIPE REMOVAL	-	-	-	1,616.37	(1,616.37)	Settled (CO#7)
17	NCDOT 340	36" REINFORCED CONCRETE PIPE REMOVAL	7,111.44	-	7,111.44	7,163.73	(52.29)	Settled (CO#7)
18	NCDOT 340	48" REINFORCED CONCRETE PIPE REMOVAL	6,136.83	-	6,136.83	8,122.28	(1,985.45)	Settled (CO#7)
19	NCDOT 340	54" REINFORCED CONCRETE PIPE REMOVAL	72,198.00	-	72,198.00	78,134.28	(5,936.28)	Settled (CO#7)
20	NCDOT 402	REMOVAL OF EXISTING DRAINAGE STRUCTURE	21,065.10	-	21,065.10	21,065.10	-	Settled (CO#7)
21	NCDOT 500	FINE GRADING	44,002.98	-	44,002.98	44,002.98	-	Settled (CO#7)
22	NCDOT 520	AGGREGATE BASE COURSE (PERIMETER ROAD)	50,642.97	-	50,642.97	51,817.50	(1,174.53)	Settled (CO#7)
23	NCDOT 520	AGGREGATE BASE COURSE (GRAVEL ROAD - NEW)	27,636.00	37,213.26	64,849.26	27,636.00	37,213.26	Settled (CO#7)
24	NCDOT 520	AGGREGATE BASE COURSE (GRAVEL ROAD - REUSED)	-	-	-	8,778.00	(8,778.00)	Settled (CO#7)
25	NCDOT 600	PRIME COAT		-	-	15,136.80	(15,136.80)	Settled (CO#7)
26	NCDOT 610	ASPHALT CONCRETE SURFACE COURSE	58,203.60		58,203.60	58,203.60	-	Settled (CO#7)
27	NCDOT 610	ASPHALT INTERMEDIATE COURSE	105,903.00	-	105,903.00	105,903.00	-	Settled (CO#7)
28	NCDOT 710	6" PORTLAND CEMENT CONCRETE PAVEMENT, DUMPSTER PAD	4,637.38	-	4,637.38	4,636.80	0.58	Settled (CO#7)
29	NCDOT 802	DISPOSAL OF WASTE AND DEBRIS	39,935.23	-	39,935.23	29,581.65	10,353.58	Settled (CO#7)
30	NCDOT 838	18-INCH PRECAST CONCRETE REINFORCED ENDWALL	2,487.77	-	2,487.77	2,487.77	-	Settled (CO#7)
31	NCDOT 838	24-INCH PRECAST CONCRETE REINFORCED ENDWALL	3,141.81	-	3,141.81	3,141.81	-	Settled (CO#7)
32	NCDOT 840	DROP INLET (STORM LINE A)	249,736.31	-	249,736.31	268,946.79	(19,210.48)	Settled (CO#7)
33	NCDOT 840	DROP INLET (STORM LINE B)	36,218.60	-	36,218.60	62,089.02	(25,870.42)	Settled (CO#7)
34	NCDOT 840	DROP INLET (STORM LINE C)	20,696.34	-	20,696.34	25,870.43	(5,174.09)	Settled (CO#7)
35	NCDOT 840	CURB INLET (STORM LINE C)	21,662.55	-	21,662.55	30,327.57	(8,665.02)	Settled (CO#7)
36	NCDOT 840	MANHOLE (STORM LINE D)	17,411.73	-	17,411.73	17,411.73	-	Settled (CO#7)
37	NCDOT 840	BASIN RISER (STORM LINE D)	11,328.14	-	11,328.14	11,328.14	-	Settled (CO#7)
38	NCDOT 846	18" CONCRETE CURB AND GUTTER	67,693.60	-	67,693.60	67,499.25	194.35	Settled (CO#7)
39	NCDOT 846	24" CONCRETE CURB AND GUTTER	500.00	-	500.00	8,541.23	(8,041.23)	Settled (CO#7)
40	NCDOT 848	4" PORTLAND CEMENT CONCRETE PAVEMENT, SIDEWALK	44,421.30	-	44,421.30	44,421.30	-	Settled (CO#7)
41	NCDOT 876	RIP RAP, CLASS 'B'	-	-	-	533.61	(533.61)	Settled (CO#7)
42	NCDOT 1205	PAINT PAVEMENT MARKING LINES, 4"	-	825.30	825.30	825.30	-	Settled (CO#7)
43	NCDOT 1205	PAINT PAVEMENT MARKING LINES, 6"	-	252.00	252.00	252.00	-	Settled (CO#7)

44	NCDOT 1205	PAINT PAVEMENT MARKING LINES, 2'	-	189.00	189.00	189.00	-	Settled (CO#7)
45	NCDOT 1205	PAINT PAVEMENT MARKING LINES, HANDICAP SPACES		846.30	846.30	846.30	-	Settled (CO#7)
46	NCDOT 1605	TEMPORARY SILT FENCE	17,733.24	-	17,733.24	8,463.00	9,270.24	Settled (CO#7)
47	NCDOT 1607	CONSTRUCTION ENTRANCE	229,647.18	-	229,647.18	229,647.18	-	Settled (CO#7)
48	NCDOT 1631	MATTING FOR EROSION CONTROL	58,800.00	16,464.00	75,264.00	176,400.00	(101,136.00)	Settled (CO#7)
49	NCDOT 1660	SEEDING AND MULCHING	35,076.41	15,032.75	50,109.16	75,163.73	(25,054.57)	Under Review
50	C-102	SEDIMENT BASIN WITH SKIMMER AND BAFFLES	14,280.00	-	14,280.00	14,280.00	-	Settled (CO#7)
51	C-102	BLOCK AND GRAVEL INLET PROTECTION	5,982.91	7,692.30	13,675.21	11,965.80	1,709.41	Settled (CO#7)
52	C-102	DIVERSION DITCH	-	3,672.00	3,672.00	3,855.60	(183.60)	Settled (CO#7)
53	C-102	STORMWATER BASIN CONVERSION		18,711.00	18,711.00	18,711.00	-	Settled (CO#7)
54	S-910	CONCRETE BOLLARD	835.17	4,175.85	5,011.02	5,011.02	-	Settled (CO#7)
55	S-910	WHEEL STOP	-	3,628.80	3,628.80	3,628.80	-	Settled (CO#7)
56	S-910	SIGNS	-	3,808.35	3,808.35	3,808.35	-	Settled (CO#7)
57	F-160	10' WILDLIFE FENCE (AIRPORT)	-	-	-	-	-	Settled (CO#7)
58	F-160	24' SWING GATE	-	5,040.00	5,040.00	5,040.00	-	Settled (CO#7)
59	F-162	TEMPORARY 10' CHAIN LINK FENCE	20,738.78	-	20,738.78	20,563.33	175.45	Settled (CO#7)
60	F-162	TEMPORARY 10' CHAIN LINK AND CONCRETE BARRIER	252,375.00		252,375.00	262,625.00	(10,250.00)	Settled (CO#7)
61	F-162	TEMPORARY GATE	840.00	-	840.00	630.00	210.00	Settled (CO#7)
62	F-162	7' CHAIN LINK FENCE (FAA)	-	-	-	-	-	Settled (CO#7)
63	F-162	10' CHAIN LINK FENCE (AIRPORT)	97,482.42	329,229.18	426,711.60	426,711.60	-	Settled (CO#7)
64	F-162	24' PIVOT GATE	76,115.80	-	76,115.80	43,299.38	32,816.43	Settled (CO#7)
65	F-162	5' PEDESTRIAN GATE	-	157.50	157.50	157.50	-	Settled (CO#7)
				This Pay App				
ITEM NO.	**SPEC NO.**	**DESCRIPTION**	**Previous Total**	**Current Month Total**	**Total Completed and Stored**	**Est. Bid Time Total**	**Variance-Over/(UNDER)**	
		POWER/COMM						
66		4" PVC - SCHEDULE 40 CONDUIT, DIRECT BUIRED	12,481.20	21,051.12	33,532.32	59,330.88	(25,798.56)	Under Review
67		4 WAY - 2" CONCRETE ENCASED DUCTBANK	10,230.30	4,641.71	14,872.01	49,230.30	(34,358.29)	Settled (CO#7)
68		8 WAY - 2"/4" CONCRETE ENCASED DUCTBANK	34,308.24	20,289.48	54,597.72	170,157.65	(115,559.93)	Settled (CO#7)
69		AT&T COMMINUCATION BOX	7,375.20	20,172.42	27,547.62	7,375.20	20,172.42	Settled (CO#7)
		SEWER						
70	MSD	4" PVC PIPE		-	-	6,928.43	(6,928.43)	Settled (CO#7)
71	MSD	6" PVC PIPE	4,897.20	445.20	5,342.40	79,690.80	(74,348.40)	Settled (CO#7)
72	MSD	8" PVC PIPE	152,644.80	-	152,644.80	64,402.80	88,242.00	Settled (CO#7)
72		Added 8" PVC PIPE per asi008 @ new unit cost	-	-	-	-	-	Settled (CO#7)
73	MSD	SANITARY SEWER MANHOLE (0' - 6' Depth)	22,380.75		22,380.75	37,301.25	(14,920.50)	Settled (CO#7)
74	MSD	SANITARY SEWER MANHOLE (6' - 12' Depth)	81,677.30	-	81,677.30	90,752.55	(9,075.25)	Settled (CO#7)
75	MSD	SANITARY SEWER MANHOLE (Greater than 12' Depth)	40,086.90	-	40,086.90	20,043.45	20,043.45	Settled (CO#7)
76	MSD	SANITARY SEWER SERVCE FEE	2,625.00	-	2,625.00	2,625.00	-	Settled (CO#7)
		WATER						
77	COA	4" COPPER WATER SERVICE	-	1,791.93	1,791.93	35,293.23	(33,501.30)	Settled (CO#7)
78	COA	3/4" COPPER WATER SERVICE	-	-	-	6,900.60	(6,900.60)	Settled (CO#7)

79	COA	6" DUCTILE IRON WATER MAIN	-	-	-	11,998.14	(11,998.14)	Settled (CO#7)
80	COA	8" DUCTILE IRON WATER MAIN	5,122.22	-	5,122.22	5,122.22	-	Settled (CO#7)
81	COA	12" DUCTILE IRON WATER MAIN	218,296.58	-	218,296.58	90,024.90	128,271.68	Settled (CO#7)
82	COA	FIRE HYDRANT	33,405.75	-	33,405.75	33,405.75	-	Settled (CO#7)
83	COA	4" GATE VALVE	2,227.05	-	2,227.05	2,227.05	-	Settled (CO#7)
84	COA	6" GATE VALVE	14,698.53	-	14,698.53	14,698.53	-	Settled (CO#7)
85	COA	8" GATE VALVE	14,253.12	-	14,253.12	3,563.28	10,689.84	Settled (CO#7)
86	COA	12" BUTTERFLY VALVE	35,410.41	-	35,410.41	94,427.76	(59,017.35)	Settled (CO#7)
87	COA	12" TAPPING SLEEVE AND VALVE - CONNECT TO EXISTING WATER MAIN	23,384.03	-	23,384.03	23,384.03	-	Settled (CO#7)
88	COA	TAPPING SADDLE & CORP STOP - 4" WATER SERVICE CONNECTION	-	13,362.30	13,362.30	13,362.30	-	Settled (CO#7)
89	COA	RPZ BACKFLOW PREVENTER	125,828.33	-	125,828.33	125,828.33	-	Settled (CO#7)
90	COA	1.5" WATER METER SERVICE FEE	-		-	1,575.00	-	Settled (CO#6)
91	COA	4" WATER METER SERVCE FEE	-		-	3,675.00	-	Settled (CO#6)
92	COA	WATER SPIGOT AND HOSE BIB	2,227.05	-	2,227.05	2,227.05	-	Settled (CO#7)
		AIRFIELD ELECTRICAL						
93	L-108	6 PAIR #19 AWG PE39 GR, FAA RLIM CONTROL CABLE INSTALLED IN FAA DUCT OR CONDUIT	26,000.00	11,027.20	**37,027.20**	46,284.00	(9,256.80)	Settled (CO#7)
94	L-108	25 PAIR #19 AWG PE39 GR, FAA ILS CONTROL CABLE INSTALLED IN FAA DUCT OR CONDUIT	42,000.00	16,959.50	**58,959.50**	79,675.00	(20,715.50)	Settled (CO#7)
95	L-108	50 PAIR #19 AWG PE39 GR, FAA RADAR CONTROL CABLE INSTALLED IN FAA DUCT OR CONDUIT	-	-	-	179,550.00	-	Settled (CO#6)
96	L-108	1/0 AWG BSD COPPER COUNTERPOISE GUARD WIRE, INSTALLED OVER FAA DUCT OR CONDUIT	34,692.00		34,692.00	34,692.00	-	Settled (CO#7)
97	L-108	1/C #6 AWG SOLID COPPER COUNTERPOISE WIRE, INSTALLED OVER ALCMS DUCT OR CONDUIT	2,655.00	-	2,655.00	5,355.00	-	Settled (CO#6)
98	L-108	0.75" DIAMETER BY 10.00' LONG COPPER CLAD STEEL SECTIONAL GROUND ROD, INCLUDING 8 FOOT LENGTH OF 1/0 AWG GUARD WIRE FOR CNNECTION TO MAIN GUARD WIRE	18,686.00	-	18,686.00	49,686.00	(31,000.00)	Settled (CO#7)
99	L-108	GROUND DISSIPATION PLATE - .25"X24"X24" WITH PINKERED EDGE, INCLUDING 8 FOOT LENGTH OF 1/0 AWG GUARD WIRE FOR CNNECTION TO MAIN GUARD WIRE	4,599.00	-	4,599.00	4,599.00	-	Settled (CO#7)
100	L-110	2 WAY 2" SCHEDULE 40 PVC DIRECT EARTH BURIED DUCT	35,616.52	26,039.48	61,656.00	61,656.00	-	Settled (CO#7)
101	L-110	4 WAY 2" SCHEDULE 40 PVC DIRECT EARTH BURIED DUCT	75,131.41	-	75,131.41	88,494.00	(13,362.59)	Settled (CO#7)
102	L-110	2 WAY 4" SCHEDULE 40 PVC DIRECT EARTH BURIED DUCT	145,971.00	-	145,971.00	145,971.00	-	Settled (CO#7)
103	L-110	2 WAY 2" SCHEDULE 40 PVC CONCRETE ENCASED DUCT	9,788.90	-	9,788.90	18,288.90	(8,500.00)	Settled (CO#7)
104	L-110	4 WAY 2" SCHEDULE 40 PVC CONCRETE ENCASED DUCT	5,239.00	17,000.00	22,239.00	22,239.00	-	Under Review
105	L-110	2 WAY 4" SCHEDULE 40 PVC CONCRETE ENCASED DUCT	6,307.10	-	6,307.10	25,307.10	(19,000.00)	Settled (CO#7)
106	L-110	2 WAY 4" SCHEDULE 40 PVC DIRECTIONAL BORED DUCT	117,253.50	17,181.45	134,434.95	138,253.50	(3,818.55)	Under Review
107	L-115	AIRCRAFT RATED ELECTRICAL MANHOLE TYPE A-1, 4'X4' WITH SPRING LOADED COVER	171,091.20	-	171,091.20	171,091.20	-	Settled (CO#7)
108	L-115	AIRCRAFT RATED ELECTRICAL MANHOLE TYPE A-2, 5'X5' WITH SPRING LOADED COVER	160,656.30	-	160,656.30	160,656.30	-	Settled (CO#7)
109	L-115	NON-AIRCRAFT RATED ELECTRICAL MANHOLE TYPE N-1	-	-	-	26,783.40	(26,783.40)	Settled (CO#7)
		LANDSCAPING						

110	329200	LANDSCAPING TRIPLE HAMMERED HARDWOOD MULCH (3" THICK)	-	1,068.48	1,068.48	3,116.40	(2,047.92)	Settled (CO#7)
111	329200	LANDSCAPING SURE-LOC 1/4" THK. STEEL EDGING (BLACK)	-	13,356.00	13,356.00	12,521.25	834.75	Settled (CO#7)
112	329200	LANDSCAPING TAN RIVER STONE - 3-4" SIZETAN RIVER STONE - 3-4" SIZE	-	6,123.60	6,123.60	6,123.60	-	Settled (CO#7)
113	329300	LANDSCAPING TREE - JUNIPERUS CHINENSIS `TORULOSA` / HOLLYWOOD JUNIPER' - 15 GAL	-	-	-	2,449.44	(2,449.44)	Settled (CO#7)
114	329300	LANDSCAPING TREE - THUJA OCCIDENTALIS `EMERALD` / EMERALD ARBORVITAE - 15 GAL	-	-	-	4,899.30	(4,899.30)	Settled (CO#7)
115	329300	LANDSCAPING SHURB - ABELIA X `ROSE CREEK` / ROSE CREEK ABELIA - 3 GAL - 18" HT. MIN.	-	-	-	462.84	(462.84)	Settled (CO#7)
116	329300	LANDSCAPING SHURB - FOTHERGILLA GARDENII / DWARF FOTHERGILLA - 3 GAL - 18" HT. MIN.	-	-	-	347.13	(347.13)	Settled (CO#7)
117	329300	LANDSCAPING SHURB - ILEX CORNUTA `BURFORDII NANA` / DWARF BURFORD HOLLY - 3 GAL - 18" HT. MIN.	-	1,281.00	1,281.00	768.60	512.40	Settled (CO#7)
118	329300	LANDSCAPING SHURB - ILEX VOMITORIA / YAUPON HOLLY - 15 GAL	-	-	-	3,591.00	(3,591.00)	Settled (CO#7)
119	329300	LANDSCAPING SHURB - ITEA VIRGINICA `VIRGINIA` / VIRGINIA SWEETSPIRE - 3 GAL - 18" HT. MIN.	-	1,281.00	1,281.00	2,510.76	(1,229.76)	Settled (CO#7)
120	329300	LANDSCAPING SHURB - JUNCUS EFFUSUS / COMMON RUSH - 1 GAL	-	-	-	669.38	(669.38)	Settled (CO#7)
121	329300	LANDSCAPING SHURB - PANICUM VIRGATUM `SHENENDOAH` / BURGUNDY SWITCH GRASS - 1 GAL	-	-	-	1,224.30	(1,224.30)	Settled (CO#7)
122	329300	LANDSCAPING SHURB - PRUNUS LAUROCERASUS `OTTO LUYKEN` / OTTO LUYKEN ENGLISH LAUREL- 3 GAL - 18" HT. MIN.	-	-	-	4,227.30	(4,227.30)	Settled (CO#7)
123	329300	LANDSCAPING SHURB - SCHIZACHYRIUM SCOPARIUM 'THE BLUES' / THE BLUES LITTLE BLUESTEM - 1 GAL	-	-	-	321.30	(321.30)	Settled (CO#7)
124	329300	LANDSCAPING SHURB - THUJA OCCIDENTALIS `CONGABE` / FIRE CHIEF GLOBE ARBORVITAE- 3 GAL- 18" HT. MIN.	-	361.72	361.72	1,157.52	(795.80)	Settled (CO#7)
125	329300	LANDSCAPING SHURB - THUJA OCCIDENTALIS 'GOLDEN GLOBE' / GOLDEN GLOBE ARBORVITAE	-	-	-	1,085.18	(1,085.18)	Settled (CO#7)
		CHANGES						
126	CO#6	4" Conduit bore to ASR	121,950.00	-	121,950.00	-	-	Settled (CO#7)
127	CO#6	144 Strand, Single-Mode Fiberoptic Cable	-	28,818.00	28,818.00	-	(19,137.00)	Settled (CO#7)
128	CO#6	24 Strand, Single-Mode Fiberoptic Cable	-	14,700.00	14,700.00	-	(2,895.00)	Settled (CO#7)
			6,084,360.55	**683,889.17**	**6,768,249.72**	**7,284,175.49**	**(515,925.77)**	

Line Item 56 on SOV: 45,629.97 G91 cell on SOV

Change Order #7 Deduct Sum	**(471,943.93)**

KOKOLAKIS CONTRACTING

EST 1972

September 12, 2025

Joshua Alexander, CCM
ATCT Project Manager – Parsons Transportation Group
146 Westfeldt Dr.
Fletcher, NC 28732

Project: Greater Asheville Regional Airport Authority ATCT & TRACON
Asheville, NC

SUBJECT: COR#064 – Door T600 Revisions.

Mr. Alexander,

Attached you will Kokolakis Contracting's itemized cost proposal No. 058 which encompasses the additional labor, materials and equipment associated with Door T600 Revisions. This Change Order Request arises from a design coordination conflict created by the specification of an 8'-0" door at this location. The installation of the 8'-0" door leaves insufficient clearance for cable tray installation, which in turn prevents multiple trades from installing their overhead MEP systems.
To resolve this conflict, Kokolakis Contracting was directed to furnish and install a 7'-0" door in lieu of the originally designed 8'-0" door. The costs presented herein reflect the necessary revisions to complete this scope of work.

Enclosed please find a detailed cost breakdown, summary of changes and back-up related to this change order, which to the best of our knowledge incorporates all adds/deducts associated with the abovementioned changes. This proposal is hereby submitted for a change order in the amount of **$3,541.96.**

Should you have any questions, please do not hesitate to contact me directly.

Respectfully,

KOKOLAKIS CONTRACTING, INC.

Cameron Champaigne

Cameron Champaigne
Assistant Project Manager
Cc: Field / File

COST PROPOSAL BREAKDOWN SHEET
KC-245- Asheville Regional Airport New ATCT & Base Building

OWNER RFP # **TBD**
KOKOLAKIS PROPOSAL # **64**

TITLE **Door T600 Changes**

DATE **27-Aug-25**

Description of Work	Material Quantity	Unit Cost	Per	Total Material	Total Days	Daily Rate	Total Labor	Total Cost
Kokolakis Self Perform								
								0.00
								0.00
								0.00
Sub-Total				**$0.00**			**$0.00**	**$0.00**
Subcontracted								
Cook and Boardman								2,898.26
Besco								
								0.00
								0.00
Sub-Total								**$2,898.26**
TOTAL DIRECT COST								**$2,898.26**
Kokolakis OH@ 10.00%								289.83
Kokolakis Profit @ 10.00%								318.81
Bond Rate 1.00%								35.07
TOTAL PROPOSAL								**$3,541.96**

Change Order

361481 - Asheville Air Traffic Control Tower

Contemplated Change Order #31
T600 Opening Size Change

1	**Single Door #T600.R**	**LOBBY T600 from CONSOLE ACCESS T606**	**90° LHR**
1	HMD MS 18 CRS 3070 F BW SEM 1 3/4 LHR (45H; C1; PR3)		
1	BQ 16 CRS 718 SGL 3070 V3 BW RH (45H; A03_MSZ2+; H1; OMIT_MUTES; R; TB)		
1	Door Seal	488FS 19'	ZE

Section Totals

08 11 13 Hollow Metal Doors & Frames	1,700.00
08 71 11 Finish Hardware	65.00
Installation	950.00
Pre-Tax Total:	**2,715.00**

Taxes

10143	NC-Henderson County	54.30
10202	NC-NORTH CAROLINA STATE TAX 4.75%	128.96
	Tax Total:	**183.26**
	Grand Total:	**2,898.26**

KOKOLAKIS CONTRACTING
FORGING RELATIONSHIPS ANOTHER 50 YEARS

integrity@jkokolakis.com
jkokolakis.com

September 23, 2025

Joshua Alexander, CCM
ATCT Project Manager – Parsons Transportation Group
146 Westfeldt Dr.
Fletcher, NC 28732

Project: Greater Asheville Regional Airport Authority ATCT & TRACON
Asheville, NC

SUBJECT: Change Order Request (COR) #066 – Deck Drain DD-1 Remediation

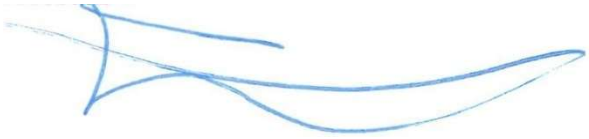
Mr. Alexander,

Kokolakis Contracting submits a lump sum proposal for the above referenced Change Order Request No. 66, for the sum of **$7,706.69.** Enclosed herein you will find Kokolakis Contracting's cost proposal which encompasses the additional costs for the labor, materials and equipment associated with remediating the eight (8) catwalk deck drains requiring modification, in accordance with RFI #291.

Kindly issue a change order to incorporate the revisions enclosed. Should you have any questions, please do not hesitate to contact me directly at (215) 410-6808.

Respectfully,

KOKOLAKIS CONTRACTING, INC.



Sean Thornton, P.E.
Project Manager
Cc: Field / File

COST PROPOSAL BREAKDOWN SHEET
KC-245- Asheville Regional Airport New ATCT & Base Building

KOKOLAKIS PROPOSAL # **COR #066**

TITLE **COR #066 - Deck Drain Modifications**

DATE **23-Sep-25**

Description of Work	Material Quantity	Unit Cost	Per	Total Material	Total Days	Daily Rate	Total Labor	Total Cost
Labor & Materials - Replacement & Remediation of (8) Eight DD-1 Deck Drains								
Kokolakis Self Perform								
Labor - Replacement & Remediation of (8) Eight DD-1 Deck Drain					6	765.12	4,590.72	4,945.76
(chopping concrete and prep, sealing of DD-1 drains at drain body connections,								
grouting areas, for remediation/repair) - 3 crew, 2 days demo & 4 days remediation								
Materials (Membrane provisions, sealant, grout, applied membrane) - 8 locations				1,329.28				1,329.28
Sub-Total								**6,275.04**
Subcontracted								
N/A				-			-	
				-				
				-			-	
Sub-Total				-			-	
TOTAL DIRECT COST								**6,275.04**
Kokolakis OH@	10.00%							627.50
Kokolakis Profit @	10.00%							690.25
Bond Rate	1.50%							113.89
TOTAL PROPOSAL								**7,706.69**

Kokolakis Contracting
202 East Center Street
Tarpon Springs, Florida 34689
P: +17279422211

Project: KC-0245-22 Asheville ATCT Facility
146 Wesfeldt Rd.
Fletcher , North Carolina 28732

RFI #291: Catwalk Roof Drains

Revision	0	**Status**	Open
To	Jared Reynolds (Pond & Company) Joshua Alexander (Parsons Transportation Group)	**From**	Phil Kennedy (Kokolakis Contracting) 202 East Center Street Tarpon Springs, Florida 34689
Date Initiated	Sep 17, 2025	**Due Date**	Sep 26, 2025
Location		**Project Stage**	Course of Construction
Cost Impact	TBD	**Schedule Impact**	TBD
Spec Section		**Cost Code**	
Drawing Number	P-701	**Reference**	
Linked Drawings			
Received From	Phil Kennedy (Kokolakis Contracting)	**Sub Job**	
Copies To	Joshua Alexander (Parsons Transportation Group), Bill Athanasoulis (Kokolakis Contracting), Michael Burton (Kokolakis Contracting), Cameron Champaigne (Kokolakis Contracting), Chris Jenkins (Pond & Company), Phil Kennedy (Kokolakis Contracting), Hannah Laury (Pond & Company), Jake Parker (Kokolakis Contracting), Jared Reynolds (Pond & Company), Sebastian Rypien (Kokolakis Contracting), Valorie Stokes (Pond & Company), Sean Thornton (Kokolakis Contracting)		

ADDITIONAL INFORMATION FOR OPR

Contract Number		**Reply Email Address**	
Remarks			

Activity

Question

Question from Phil Kennedy Kokolakis Contracting *on Wednesday, Sep 17, 2025 at 11:41 AM EDT*

The scheduled roof drains for the ATCT Level 6 catwalk (DD-1 on drawing P-701) have “seepage openings” and are allowing water to seep/leak into the slab below the epoxy water proofing coating on top of the roof slab. These leaks became apparent when filling the drain to the top of its rim for North Carolina Building Inspector’s roof drain test. The testing failed due to the leaking on all eight catwalk drains when filled to above the “seepage openings”. What was installed is Watts model RD-300-CP15 (an equal to the scheduled Zurn 154-DT). These deck drains are designed for promenade applications where the roof water proofing is below the top of the walking surface (paver, planking, etc.) and allows water to enter the drain from both the top grate and through the seepage openings along the side wall of the drain collar. see page 2 of the attached pdf for reference.
What we are doing in the meantime to prevent storm water from entering the building is chopping out the concrete around the drain, removing the drain collar ring, placing a piece of EPDM roofing material between the drain collar and drain pot, and tightening the drain collar ring with the EPDM acting as a gasket to prevent leakage into the slab.
Should this substitute installation remain as a permanent change?
If not, kindly provide direction on how to proceed.

Attachments
Catwalk Drains RFI.pdf

Awaiting an Official Response

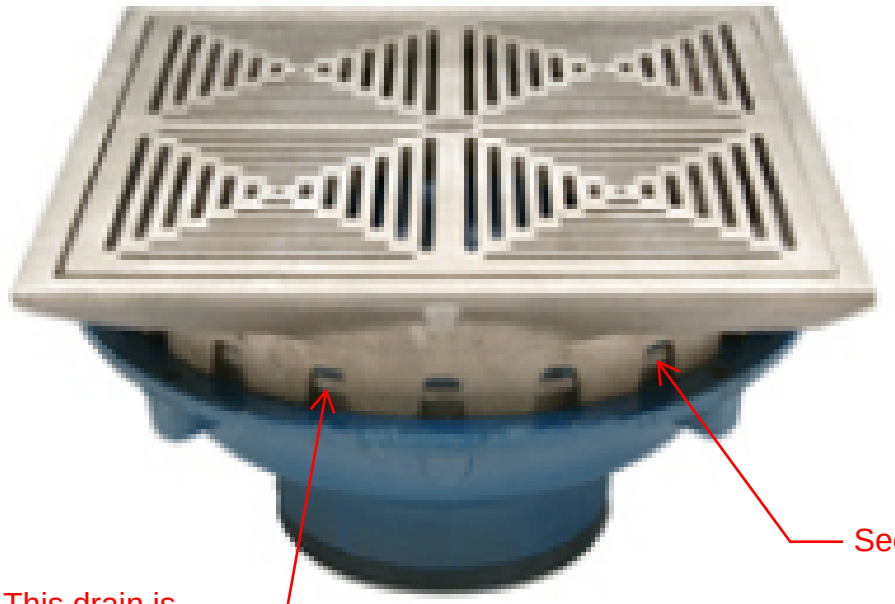
The scheduled roof drain for the ATCT Level 6 catwalk (DD-1 on drawing P-701) has “seepage openings” and is allowing water to seep/leak into the slab below the epoxy water proofing coating on top of the roof slab. This leak became apparent when filling the drain to the top of its rim for North Carolina Building Inspector’s roof drain test. The testing failed due to the leaking on all eight catwalk drains when filled to above the “seepage openings”. What was installed is Watts model RD-300-CP15 (an equal to the scheduled Zurn 154-DT). These deck drains are designed for promenade applications where the roof water proofing is below the top of the walking surface (paver, planking, etc.) and allows water to enter the drain from both the top grate and through the seepage openings along the side wall of the drain collar.

What we are doing in the meantime to prevent storm water from entering the building is chopping out the concrete around the drain, removing the drain collar ring, placing a piece of EPDM roofing material between the drain collar and drain pot, and tightening the drain collar ring with the EPDM acting as a gasket to prevent leakage into the slab.

Should this substitute installation remain as a permanent change?

If not, kindly provide direction on how to proceed.

Zurn 154-DT



Seepage Openings

Drain collar ring; This drain is designed to have roofing membrane pinched between the drain pot (blue section) and collar ring to allow drainage below any pavers installed on top of the roofing and flush with the top of drain grate.

REMIT PAYMENT TO:
STAFF ZONE
P.O. Box 890722
Charlotte, NC 28289-0722

INVOICE

Invoice Number: 153056627
Invoice Date: 9/21/2025
Invoice Amount: $4,945.76
Amount Paid: _____

TERMS: NET CASH SEVEN (7) DAYS. PAST DUE 31ST, 18% INTEREST ANNUM (1.5% per month) THEREAFTER.

J KOKOLAKIS CONTRACTING INC
ACCOUNTS PAYABLE
202 E CENTER ST
TARPON SPRINGS, FL 34689

PO #:AIR TRAFFIC CONTROL TOWER

Customer Number: 53JKOK

BE MINDFUL OF FRAUD

Staff Zone will never email you to change our ACH details. If you receive any suspicious email, disregard and/or reach out to our Director of Credit, Sissy DiRoberto.
sdiroberto@staffzone.com 770-645-6134 x 302.

↑ Please remit this stub with payment ↑

			Regular		Overtime		
Date	**Description**	**Ticket Number**	**Hours**	**Rate**	**Hours**	**Rate**	**Amount**
9/15/2025	*** Billable Transportation		0.00	$0.00	0.00	$0.00	$20.00
9/15/2025	PANNELL, BOBBY ***	273027	8.00	$31.69	0.00	$0.00	$253.52
9/15/2025	OYOLA, BRENDA ***	273027	8.00	$31.69	0.00	$0.00	$253.52
9/15/2025	WYATT, MITCHELL ***	273027	8.00	$31.69	0.00	$0.00	$253.52
9/16/2025	*** Billable Transportation		0.00	$0.00	0.00	$0.00	$20.00
9/16/2025	PANNELL, BOBBY ***	EMAIL	8.00	$31.69	0.00	$0.00	$253.52
9/16/2025	OYOLA, BRENDA ***	EMAIL	8.00	$31.69	0.00	$0.00	$253.52
9/16/2025	WYATT, MITCHELL ***	EMAIL	8.00	$31.69	0.00	$0.00	$253.52
9/17/2025	*** Billable Transportation		0.00	$0.00	0.00	$0.00	$20.00
9/17/2025	PANNELL, BOBBY ***	273049	8.00	$31.69	0.00	$0.00	$253.52
9/17/2025	OYOLA, BRENDA ***	273049	8.00	$31.69	0.00	$0.00	$253.52
9/17/2025	CADE, DESHAUN ***	273095	8.00	$31.69	0.00	$0.00	$253.52
9/17/2025	DAVID, T'KEEYA ***	273095	8.00	$31.69	0.00	$0.00	$253.52
9/17/2025	WYATT, MITCHELL ***	273049	8.00	$31.69	0.00	$0.00	$253.52
9/17/2025	DOUGHERTY, ROBERT ***	273095	8.00	$31.69	0.00	$0.00	$253.52

REMIT PAYMENT TO:
STAFF ZONE
P.O. Box 890722
Charlotte, NC 28289-0722

INVOICE

Invoice Number: 153056627
Invoice Date: 9/21/2025
Invoice Amount: $4,945.76
Amount Paid: _____

TERMS: NET CASH SEVEN (7) DAYS. PAST DUE 31ST, 18% INTEREST ANNUM (1.5% per month) THEREAFTER.

J KOKOLAKIS CONTRACTING INC
ACCOUNTS PAYABLE
202 E CENTER ST
TARPON SPRINGS, FL 34689

PO #:AIR TRAFFIC CONTROL TOWER

Customer Number: 53JKOK

BE MINDFUL OF FRAUD

Staff Zone will never email you to change our ACH details. If you receive any suspicious email, disregard and/or reach out to our Director of Credit, Sissy DiRoberto.
sdiroberto@staffzone.com 770-645-6134 x 302.

			Regular		Overtime		
Date	**Description**	**Ticket Number**	**Hours**	**Rate**	**Hours**	**Rate**	**Amount**
9/17/2025	LACONEY, GLEN ***	273095	8.00	$31.69	0.00	$0.00	$253.52
9/18/2025	*** Billable Transportation		0.00	$0.00	0.00	$0.00	$20.00
9/18/2025	PANNELL, BOBBY ***	273110	8.00	$31.69	0.00	$0.00	$253.52
9/18/2025	OYOLA, BRENDA ***	273110	8.00	$31.69	0.00	$0.00	$253.52
9/18/2025	WYATT, MITCHELL ***	273110	8.00	$31.69	0.00	$0.00	$253.52
9/19/2025	*** Billable Transportation		0.00	$0.00	0.00	$0.00	$20.00
9/19/2025	PANNELL, BOBBY ***	273162	8.00	$31.69	0.00	$0.00	$253.52
9/19/2025	OYOLA, BRENDA ***	273162	8.00	$31.69	0.00	$0.00	$253.52
9/19/2025	WYATT, MITCHELL ***	273162	8.00	$31.69	0.00	$0.00	$253.52
	ACA Benefits Surcharge		152.00	$0.19	0.00	$0.00	$28.88
	Premier PPE Surcharge		152.00	$0.00	0.00	$0.00	$0.00

Total Due: $4,945.76

THANK YOU FOR USING STAFF ZONE

KOKOLAKIS CONTRACTING
FORGING RELATIONSHIPS ANOTHER 50 YEARS

integrity@jkokolakis.com
jkokolakis.com

September 23, 2025

Joshua Alexander, CCM
ATCT Project Manager – Parsons Transportation Group
146 Westfeldt Dr.
Fletcher, NC 28732

Project: Greater Asheville Regional Airport Authority ATCT & TRACON
Asheville, NC

SUBJECT: Change Order Request (COR) #067 – Contract/Design Modifications for Elevator Inspection

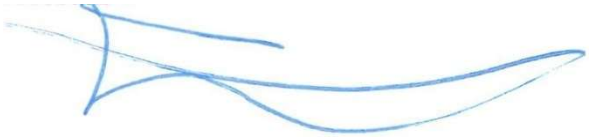
Mr. Alexander,

Kokolakis Contracting submits a lump sum proposal for the above referenced Change Order Request No. 67, for the sum of **$16,040.11.** Enclosed herein you will find Kokolakis Contracting's itemized cost proposal which encompasses the additional costs for the labor, materials and equipment associated with the scope added to accommodate NC DOL elevator inspection acceptance.

Kindly issue a change order to incorporate the revisions enclosed. Should you have any questions, please do not hesitate to contact me directly at (215) 410-6808.

Respectfully,

KOKOLAKIS CONTRACTING, INC.



Sean Thornton, P.E.
Project Manager
Cc: Field / File

COST PROPOSAL BREAKDOWN SHEET
KC-245- Asheville Regional Airport New ATCT & Base Building

KOKOLAKIS PROPOSAL # **COR #067**

TITLE **COR #067 - Contract/Design Modifications for Elevator Inspection Acceptance**

DATE **23-Sep-25**

Description of Work	Material Quantity	Unit Cost	Per	Total Material	Total Days	Daily Rate	Total Labor	Total Cost
Contract Modifications Per Elevator Inspection Comments								
Kokolakis Self Perform								
				-				
Sub-Total				-			-	-
Subcontracted								
Otis Elevator - Re-inspection Fees (9/18 & 9/19)								
Added Provisions for Re-inspection				-				2,000.00
				-			-	
Cook & Boardman								
Replacement of T206 Door Frame & Door Slab - Upgrade to 2-Hr Rating				-			-	5,518.97
				-				
BESCO Electrical Corp								
COP#33 - Elevator Wiring Mods				-			-	3,614.81
United Painting Services, Inc.								
2-HR Rating Elevator Closet T206 Build-out and Furring Modifications								
6 sheets of 4x8 Type EXP gypsum board	6	28.73	per	sheet				172.38
3 Packs of Fire Sealant (STI) (Smoke & Fire Rated)	3	18.90	per	pack				56.70
Finishes - Durabond & corner bead	2	18.75	per	bag				37.50
Primer	2	21.80	per	gal				43.60
Supervision					0.75	440.00	330.00	330.00
24 man-hours for labor (demo, mechanic/finishers, laborers, painting)				-	3.00	360.00	1,080.00	1,080.00
UPSI Markup & Bond (12%)				-				206.42
Sub-Total				-			-	**13,060.38**
TOTAL DIRECT COST								**13,060.38**
Kokolakis OH@	10.00%							1,306.04
Kokolakis Profit @	10.00%							1,436.64
Bond Rate	1.50%							237.05
TOTAL PROPOSAL								**16,040.11**

BESCO ELECTRICAL

Contract Modification Cost Proposal

Control No. COP #33 **DATE:** 9/23/2025
Revision No.

PROJECT: 220027 (TOWER NEW ATCT-TRACON FAC AVL)

DESCRIPTION

Elevator Time and Material additions. Approved for T&M via Sean T. Signed by Sebatian R.

Special Note: Directive to complete per Kokolakis. Work has been performed.

LABOR

Rates Effective 1/1/2025 - 12/31/2025	RATE	HOURS	
Estimated Manhours (Install):	$74.80	40.00	$2,992.00
Estimated Manhours (Setup and Monitoring)	$112.20	0.00	$0.00
	Labor Subtotal		$2,992.00
On-Site Project Supervisor:	$107.00	2.00	$214.00
Estimator:	$118.00	1.00	$118.00
	Mgmt. Subtotal		$332.00
State Sales Tax:		6.75%	$224.37
	TOTAL LABOR		$3,324.00

MATERIAL

Material Per Take-off:			$272.42
Miscellaneous Materials:		0.00%	$0.00
Expediting:			$0.00
Quoted Material ():			$0.00
Freight:			$0.00
SUBTOTAL			$272.42
T/O Mat 'l Escalation	0.00%	1 Year	$0.00
State Sales Tax:		6.75%	$18.39
TOTAL MATERIAL			$290.81

EQUIPMENT

Construction Equipment & disposal:	$0.00
Mobilization/Demobilization:	$0.00
TOTAL EQUIPMENT	$0.00

OTHER

	HOURS	
Other Costs:		$0.00
TOTAL OTHER COSTS		$0.00

SUBTOTAL	**SUBTOTAL DIRECT COSTS**		**$3,614.81**
	Overhead	15.00%	$0.00
	Home Office Overhead	0.00%	$0.00
	Corporate Insurances	0.00%	$0.00
	Contingency	0.00%	$0.00
	Profit	10.00%	$0.00
	JOB SUBTOTAL (Minus Subcontracts)		**$3,614.81**

SUBCONTRACT			
	Subcontracts (lost time):		$0.00
	Subcontracts (excavation):		$0.00
	Subtotal Subcontract		$0.00
	Subcontract Mark-Up:	10.00%	$0.00
	TOTAL SUBCONTRACT		**$0.00**

	JOB SUBTOTAL		$3,614.81
	TOTAL SUBCONTRACT		$0.00
	Bond Premium	0.00%	$0.00
	TOTAL REQUESTED		**$3,614.81**

Submitted By: Eric Green

Additional Time Required 3 Working Days

ATTACHMENTS

Quotation Documentation

Reference Documentation

NOTES

1. This Proposal does not contain any costs related to extension of contract time, nor acceleration of performance if required to maintain contract time, due to addition of this work.
2. This proposal will remain valid for sixty (60) days.
3. Tariffs, import duties, and related fees are not included in this proposal unless explicitly stated otherwise. Any such costs incurred will be the responsibility of the purchaser.

JOB 4 220027: ATCT TRACON - As...
ESTIMATE 1 220027: ATCT TRACON - As...
DATA SET 6 BESCO CI TSC/EST/NECA
USER NAME Green, Eric

Elevator T & M
Besco Electrical
9829 Northcross Center Court
Suite D
9829 Northcross Center Court, NC 28078
704-892-4200 EXT 104 / (Company Fax)
e.green@bescoelectrical.com

PRINTED 9/22/2025 3:16:25 PM
MATERIAL Primary
LABOR Primary

NOTES

Item				Material	Labor
Size	Item Desc	Qty	UOM	Mat Ext	
3/4"	EMT	40.00	FEET	62.40	
1/2"	EMT STEEL COMP COUP	4.00	EACH	1.92	
3/4"	EMT 1 HOLE STRAP	5.00	EACH	0.40	
	3/16" PLASTIC ANCHOR	5.00	EACH	0.80	
20A 1P	LOCK TYPE SWITCH	2.00	EACH	55.70	
12	THHN STR CU	540.00	FEET	151.20	
20/1	CIRCUIT BREAKER	2.00	EACH	0.00	
Grand Totals				272.42	

FAX (704) 892-5225

CUSTOMER PHONE NUMBER	CUSTOMER ORDER NUMBER

220027

Elevator Changes

STARTING DATE	DATE PROMISED

PAYMENT		ESTIMATE
☐ CASH	☐ COD	
☐ CHARGE	☐ CHECK	

QTY	MATERIAL	PRICE	AMOUNT	DESCRIPTION OF WORK
2	Single Pole Switches			Add dedicated 120v Circuit
1	120/208v Single Pole Breaker			in Shaft for GFI
1	277/480v Single Pole Breaker			
40'	3/4" cmt			Add dedicated 277v Circuit in
540'	#12 THHN			Shaft for Lights

LABOR	HRS	RATE	AMOUNT
Mark Johnson	7		
Stephen Carter	7		
Steve Nance	12		
Lee Collier	12		
Jeremy Stowe	2		

DATE COMPLETED	TOTAL MATERIALS

COMMENTS: _____

_____

_____

WORK ORDERED BY: _____

SIGNATURE: _____

TOTAL LABOR	
TOTAL MATERIAL	
MISC	
TAX	
TOTAL	

Change Order

361481 - Asheville Air Traffic Control Tower

Contemplated Change Order #34
Replacement Door & Frame T206

1	**Single Door #T206.R**	**LOBBY T200 from ELEV CLOSET T206**	**90° LHR**
1	HMD MS 18 CRS 4080 F BW SEM 1 3/4 LHR (50H_; C1; LM2)		
1	BQ 16 CRS 578 SGL 4080 V3 BW RH (50H; A03_MSZ2-; H1; OMIT_MUTES; S; TB)		
1	Door Seal	488FS 25'	ZE

Section Totals

08 11 13 Hollow Metal Doors & Frames	2,650.00
08 71 11 Finish Hardware	95.00
Installation	750.00
Pre-Tax Total:	**3,495.00**

Taxes

10143	NC-Henderson County	69.90
10202	NC-NORTH CAROLINA STATE TAX 4.75%	166.01
	Tax Total:	**235.91**
	Grand Total:	**3,730.91**

Change Order

361481 - Asheville Air Traffic Control Tower

Change Order #35
Replacement Frame T206

-1	**Single Door #T206.R**	**LOBBY T200 from ELEV CLOSET T206**	**90° LHR**
1	**Single Door #T206.R**	**LOBBY T200 from ELEV CLOSET T206**	**90° LHR**

1 DU 16 CRS 714 SGL 4080 KD BW RH (50H; H1; OMIT_MUTES; S; TB)

Section Totals

08 11 13 Hollow Metal Doors & Frames	1,675.00
Pre-Tax Total:	**1,675.00**

Taxes

10143	NC-Henderson County	33.50
10202	NC-NORTH CAROLINA STATE TAX 4.75%	79.56
	Tax Total:	**113.06**
	Grand Total:	**1,788.06**

KOKOLAKIS CONTRACTING
FORGING RELATIONSHIPS ANOTHER 50 YEARS

integrity@jkokolakis.com
jkokolakis.com

October 6, 2025

Joshua Alexander, CCM
ATCT Project Manager – Parsons Transportation Group
146 Westfeldt Dr.
Fletcher, NC 28732

Project: Greater Asheville Regional Airport Authority ATCT & TRACON
Asheville, NC

SUBJECT: Change Order Request (COR) #069 – Stair Pressurization Re-testing (RFI#292)

Mr. Alexander,

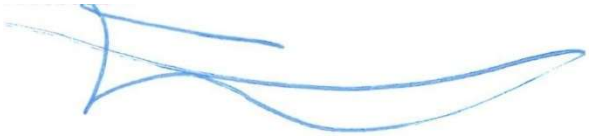
Kokolakis Contracting respectfully submits a lump sum proposal for Change Order Request No. 069 in the amount of **$4,200.00**. Enclosed is our detailed, itemized cost proposal covering the retesting scope as outlined in RFI #292 and the corresponding Design Team responses.

This Change Order Proposal includes a contract time extension of **seventeen (17) calendar days**, revising the Contract Substantial Completion Milestone to **October 10, 2025**.

We kindly request that a formal Change Order be issued to incorporate this scope into the Contract. Please feel free to contact me directly at (215) 410-6808 should you have any questions or require additional information.

Respectfully,

KOKOLAKIS CONTRACTING, INC.



Sean Thornton, P.E.
Project Manager
Cc: Field / File

COST PROPOSAL BREAKDOWN SHEET
KC-245- Asheville Regional Airport New ATCT & Base Building

KOKOLAKIS PROPOSAL #	**COR #069**
TITLE	**COR #069 - Stair Pressurization Retesting - RFI#292**
ADDED DAYS	**17**
Rev. Substantial Completion Date	**10/10/2025**
DATE	**06-Oct-25**

Description of Work	Material Quantity	Unit Cost	Per	Total Material	Total Days	Daily Rate	Total Labor	Total Cost
Retesting of the failed 9/24/25 stair pressurization performance testing, due to design issue, resolved per RFI#292 design direction								
Kokolakis Self Perform								
				-				
Sub-Total				**-**			**-**	**-**
Subcontracted								
Total Commissioning Systems								
Retesting of Stair Pressurization System Per RFI#292				-				2,000.00
				-			-	
				-			-	
Cook & Boardman								
Furnish/Install Tower Stair Tower Door Sweeps				-			-	1,700.00
				-				
Sub-Total				**-**			**-**	**3,700.00**
TOTAL DIRECT COST								**3,700.00**
Kokolakis OH@								250.00
Kokolakis Profit @								193.00
Bond Rate								57.00
TOTAL PROPOSAL								**4,200.00**

Change Order

361481 - Asheville Air Traffic Control Tower

Contemplated Change Order #36
Adding Sweeps to Stairwells

-1 Other Door #MISC
1 Other Door #MISC

13	Weatherstrip	802S B 36"	MIL	HA

Section Totals

08 71 11 Finish Hardware	230.00
Installation	1,400.00
Pre-Tax Total:	**1,630.00**

Taxes

10143	NC-Henderson County	32.60
10202	NC-NORTH CAROLINA STATE TAX 4.75%	77.43
	Tax Total:	**110.03**
	Grand Total:	**1,740.03**

September 9, 2025

PROPOSAL – CHANGE ORDER #1

Asheville ATCT – Asheville, NC

PREPARED FOR:	Kokolakis Contracting Attn: Sean Thorton sthornton@jkokolakis.com
PROJECT SCOPE:	Commissioning per the following plans, specifications, and narratives ▪ 230820 ▪ 230821 ▪ 230822 ▪ 230823 ▪ 230824 ▪ 230825 ▪ 230923 ▪ 019113 ▪ 260800 ▪ Amendments 1-3
PROJECT FEE:	Commissioning Services **$ 2,000.00**
CLARIFICATIONS:	Incl: One Additional Site Visit + Labor + Travel + Accommodations Incl: Field Report or Acceptance Letter Incl: Witness Stairwell Pressurization Test and TAB Incl: Witness Door Pull Test
EXCLUSIONS:	N/A
PREPARED BY:	Richard Dutro, CxA, BCxP, CPD, LEED AP BD+C President, Total Systems Commissioning, Inc. A Certified **SBE** Company

This proposal is valid for 90 days

If you have any questions, or need clarifications, please contact Richard Dutro at 404.457.3768 or ddutro@tscx.org. A formal proposal can be submitted upon request. Thank you for the opportunity.

2148 Hills Avenue NW • Suite I • Atlanta, Georgia 30318
404.355.9403 office • 404.352.0275 fax
www.TSCx.org

Kokolakis Contracting
202 East Center Street
Tarpon Springs, Florida 34689
P: +17279422211

Project: KC-0245-22 Asheville ATCT Facility
146 Wesfeldt Rd.
Fletcher , North Carolina 28732

RFI #292: Stairwell Pressurization

Revision	0	**Status**	Open
To	Jared Reynolds (Pond & Company) Joshua Alexander (Parsons Transportation Group)	**From**	Phil Kennedy (Kokolakis Contracting) 202 East Center Street Tarpon Springs, Florida 34689
Date Initiated	Sep 24, 2025	**Due Date**	Oct 3, 2025
Location		**Project Stage**	Course of Construction
Cost Impact	TBD	**Schedule Impact**	TBD
Spec Section	231571 - Stairwell Pressurization System for New Construction	**Cost Code**	
Drawing Number	M-111, M-401, M-401, etc.	**Reference**	
Linked Drawings			
Received From	Phil Kennedy (Kokolakis Contracting)	**Sub Job**	
Copies To	Joshua Alexander (Parsons Transportation Group), Bill Athanasoulis (Kokolakis Contracting), Michael Burton (Kokolakis Contracting), Cameron Champaigne (Kokolakis Contracting), Chris Jenkins (Pond & Company), Phil Kennedy (Kokolakis Contracting), Hannah Laury (Pond & Company), Jake Parker (Kokolakis Contracting), Jared Reynolds (Pond & Company), Sebastian Rypien (Kokolakis Contracting), Valorie Stokes (Pond & Company), Sean Thornton (Kokolakis Contracting)		

ADDITIONAL INFORMATION FOR OPR

Contract Number		**Reply Email Address**	
Remarks			

Activity

Question

Question from Phil Kennedy Kokolakis Contracting *on Wednesday, Sep 24, 2025 at 04:20 PM EDT*

Specification 231571-2.1.B requires the stairwell pressurization system maintain a pressure differential of [at least] 0.15” WC between stair and adjacent spaces in accordance with NFPA 101 and NFPA 92. The adjacent spaces for this design are understood as the ATCT lobbies. These lobbies have no relief and/or exhaust air ducting to bleed out any air from the pressurized stairwell during operation of this system(s). Air pressure builds up in the adjacent spaces (lobbies) from the stairwells but has nowhere to go. As a result, the pressure in the adjacent spaces (lobbies) approaches equilibrium with the stairwell pressure, leaving a near zero pressure differential. This all happens within one minute of operation.
To further investigate this issue we fully opened the door between the 1st floor lobby and the Link, to act as a pressure relief mechanism and found the pressure differential between the stairwell and ATCT 1st floor lobby achieved about 0.5” WC with the fans operating at their design volume of 9000 CFM each. This volume required the VFDs to operate at about 45 Hz. We then turned up the fan to full speed (60 Hz.) and the pressure differential came up to 1.6 “ WC. However, once we allowed the door between the Link and 1st floor ATCT lobby to close, as is the required normal position of this fire rated door, the pressure differential between the stairwell and lobby quickly dropped to near zero again.
It seems some type of pressure relief serving the lobbies must be added to the design to achieve the NFPA 92 (4.6 and table 4.4.2.1.1) parameters.
See attached Letter of Non-Acceptance from the CxA for reference.
Kindly provide direction on how to proceed.

Attachments
Letter of Non-Acceptance - 2025.09.24.pdf

Awaiting an Official Response

Letter of Non-Acceptance

TOTAL SYSTEMS COMMISSIONING
Better Operating Buildings Through Commissioning

To:	Phil Kennedy – Kokolakis Contracting
Date:	September 24, 2025
Project:	Asheville ATCT
Location:	Asheville, NC

Phil,

The stairwell fans did not maintain the minimum 0.15 in wc pressure differential across each interior door required per specification 23 15 71 – 2.1 B at the design CFM. It was noted that there was no pressure relief in the first floor elevator lobby. As a result of the lack of pressure relief in the lobby, pressure was able to build up and equalize across each door, dropping the differential pressure to approximately 0.04 in wc as measured by TAB. CxA recommends that the EOR design a pressure relief mechanism for the elevator lobby to dissuade pressure build up and maintain a consistent positive pressure in each stairwell within the design limitations of 0.15 in wc at a minimum and 0.35 in wc at a maximum. Under current conditions, the stairwell pressurization sequence does not meet the contract documents nor NFPA 92 and cannot be accepted at this time.

Sincerely,

Josey Abreus, CxA, EMP

2148 Hills Avenue • Suite I • Atlanta, Georgia 30318
404.355.9403 office • 404.352.0275 fax
www.TSCx.org

ASHEVILLE REGIONAL AIRPORT

MEMORANDUM

TO: Members of the Airport Authority

FROM: Jared Merrill
Vice President - Planning

DATE: October 17, 2025

ITEM DESCRIPTION – New Business Item E

Approval of Change Order #8 with Hensel Phelps for a Tower Crane and the Addition of a Construction South Access Road

BACKGROUND

In September, the board approved for Gresham Smith to proceed with design services for necessary Terminal program changes, including the rephasing and resequencing of the remaining terminal project work due to the Air Traffic Control Tower delays. Hensel Phelps is working with the trades to get pricing for the changes and impacts. We will be coming to the board within the next two months for the full work change order and overall project budget amendment.

In order to minimize the impacts from the ATCT delay, Hensel Phelps requires a change order for early package items of phase 2 to include the purchase and foundations of a tower crane and the building of a new construction south access road roadway for contractor access, staging, and material delivery. Parsons has reviewed and negotiated the total cost of this change order to a total of $2,410,283.

ISSUES

None.

ALTERNATIVES

The Board could elect not to move forward with this approval. However, this could delay the project further and will make it more difficult for the contractor to build the remaining phase.

61 Terminal Drive, Suite 1, Fletcher, NC 28732 | 828.684.2226 | flyavl.com

FISCAL IMPACT

The total cost for Change Order No. 8 with Hensel Phelps is $2,410,283.00. This work will be funded using current owner contingency that will be amended with the full program budget amendment to be brought to the board at a later date.

RECOMMENDED ACTION

It is respectfully requested that the Greater Asheville Regional Airport Authority Board resolve to (1) approve Change Order No. 8 with Hensel Phelps in the amount of $2,410,283.00 for the Terminal Project; and (2) authorize the President & CEO to execute the necessary documents.

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MEMORANDUM

TO: Members of the Airport Authority

FROM: Lew Bleiweis, A.A.E., President & CEO

DATE: October 17, 2025

ITEM DESCRIPTION – Information Section Item A

August 2025 Traffic Report – Asheville Regional Airport

SUMMARY

August 2025 overall passenger traffic numbers were down 8.5% compared to the same period last year. Passenger traffic numbers reflect a 7.9% decrease in passenger enplanements from August 2024. Enplanements for Fiscal Year to Date total 234,011 which is a 5.9% decrease from the same period last year.

AIRLINE PERFORMANCE

Allegiant Airlines: Year over Year passenger enplanements for Allegiant in August 2025 were down by 6.9%. There were 20 flight cancellations for the month.

American Airlines: American's August 2025 passenger enplanements represent a 5.4% increase over the same period last year. There were 10 flight cancellations for the month.

Delta Airlines: Enplanements for Delta in August 2025 decreased by 3.1% compared to August 2024. There were no flight cancellations for the month.

JetBlue Airways: Passenger enplanements for JetBlue decreased by 35.4% from the same period last year. There were no flight cancellations for the month.

United Airlines: In August 2025, United Airlines saw a decrease in enplanements by 35.1% from the same period last year. There were no flight cancellations for the month.

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Monthly Traffic Report
Asheville Regional Airport
August, 2025

Category	Aug 2025	Aug 2024	Percentage Change	*CYTD-2025	*CYTD-2024	Percentage Change	*MOV12-2025	*MOV12-2024	Percentage Change
Passenger Traffic									
Enplaned	108,459	117,738	-7.9%	726,950	787,893	-7.7%	1,033,254	1,196,988	-13.7%
Deplaned	105,727	116,315	-9.1%	720,041	780,732	-7.8%	1,019,237	1,190,144	-14.4%
Total	**214,186**	**234,053**	**-8.5 %**	**1,446,991**	**1,568,625**	**-7.8 %**	**2,052,491**	**2,387,132**	**-14.0 %**
Aircraft Operations									
Airlines	2,141	2,169	-1.3%	14,580	15,155	-3.8%	21,699	23,307	-6.9%
Commuter/AirTaxi	1,251	1,236	1.2%	6,708	6,607	1.5%	9,627	9,869	-2.5%
Subtotal	3,392	3,405	-0.4 %	21,288	21,762	-2.2 %	31,326	33,176	-5.6 %
GeneralAviation	3,649	4,166	-12.4%	25,641	30,772	-16.7%	36,881	45,619	-19.2%
Military	186	227	-18.1%	1,443	2,208	-34.7%	2,537	3,565	-28.8%
Subtotal	3,835	4,393	-12.7 %	27,084	32,980	-17.9 %	39,418	49,184	-19.9 %
Total	**7,227**	**7,798**	**-7.3 %**	**48,372**	**54,742**	**-11.6 %**	**70,744**	**82,360**	**-14.1 %**
Fuel Gallons									
FF-100LL	12,831	14,800	-13.3%	105,393	117,802	-10.5%	155,821	185,338	-15.9%
FF-JETA-GA	214,436	175,604	22.1%	1,355,462	1,206,992	12.3%	1,954,839	1,870,734	4.5%
Subtotal	227,267	190,404	19.4 %	1,460,855	1,324,794	10.3 %	2,110,660	2,056,072	2.7 %
FF-JETA-AL	1,089,932	1,204,232	-9.5%	7,593,200	8,256,627	-8.0%	10,981,478	12,485,721	-12.1%
Subtotal	1,089,932	1,204,232	-9.5 %	7,593,200	8,256,627	-8.0 %	10,981,478	12,485,721	-12.0 %
Total	**1,317,199**	**1,394,636**	**-5.6 %**	**9,054,055**	**9,581,421**	**-5.5 %**	**13,092,138**	**14,541,793**	**-10.0 %**

***CYTD = Calendar Year to Date and *Mov12 = Moving Twelve Months.**

Airline Enplanements, Seats, and Load Factors
Asheville Regional Airport
August, 2025

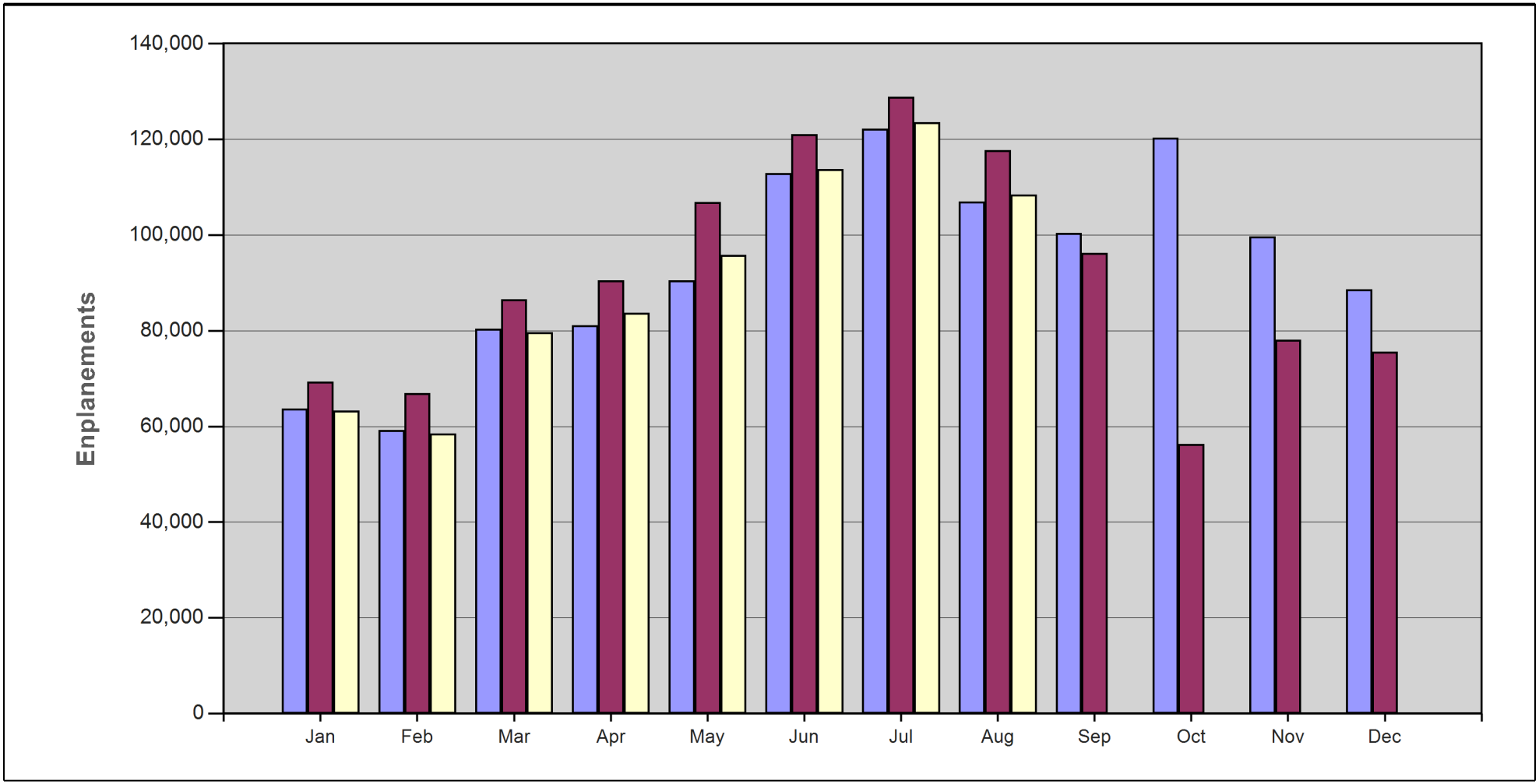
		Aug 2025	Aug 2024	Percentage Change	*CYTD-2025	*CYTD-2024	Percentage Change
Allegiant Air							
	Enplanements	41,450	44,504	-06.86%	312,739	332,463	-05.93%
	Seats	53,568	55,062	-02.71%	398,933	406,581	-01.88%
	Load Factor	77.38%	80.83%	-04.27%	78.39%	81.77%	-04.13%
American Airlines							
	Enplanements	31,586	29,962	05.42%	193,247	196,872	-01.84%
	Seats	38,917	38,218	01.83%	239,760	251,120	-04.52%
	Load Factor	81.16%	78.40%	03.52%	80.60%	78.40%	02.81%
Delta Air Lines							
	Enplanements	25,316	26,121	-03.08%	160,282	170,254	-05.86%
	Seats	29,374	30,410	-03.41%	184,220	206,964	-10.99%
	Load Factor	86.19%	85.90%	00.34%	87.01%	82.26%	05.77%
JetBlue Airways							
	Enplanements	2,274	3,521	-35.42%	5,657	8,304	-31.88%
	Seats	2,620	4,240	-38.21%	6,680	10,670	-37.39%
	Load Factor	86.79%	83.04%	04.52%	84.69%	77.83%	08.81%
Sun Country							
	Enplanements	0	1,569	-100.00%	0	7,653	-100.00%
	Seats	0	1,674	-100.00%	0	10,416	-100.00%
	Load Factor	00.00%	93.73%	-100.00%	00.00%	73.47%	-100.00%
United Airlines							
	Enplanements	7,833	12,061	-35.06%	55,025	72,347	-23.94%
	Seats	9,182	14,366	-36.09%	66,574	81,614	-18.43%
	Load Factor	85.31%	83.96%	01.61%	82.65%	88.65%	-06.77%
Totals							
	Enplanements	108,459	117,738	-07.88%	726,950	787,893	-07.73%
	Seats	133,661	143,970	-07.16%	896,167	967,365	-07.36%
	Load Factor	81.14%	81.78%	-00.78%	81.12%	81.45%	-00.41%

***CYTD = Calendar Year to Date and *Mov12 = Moving Twelve Months.**

Airline Flight Completions
Asheville Regional Airport
August, 2025

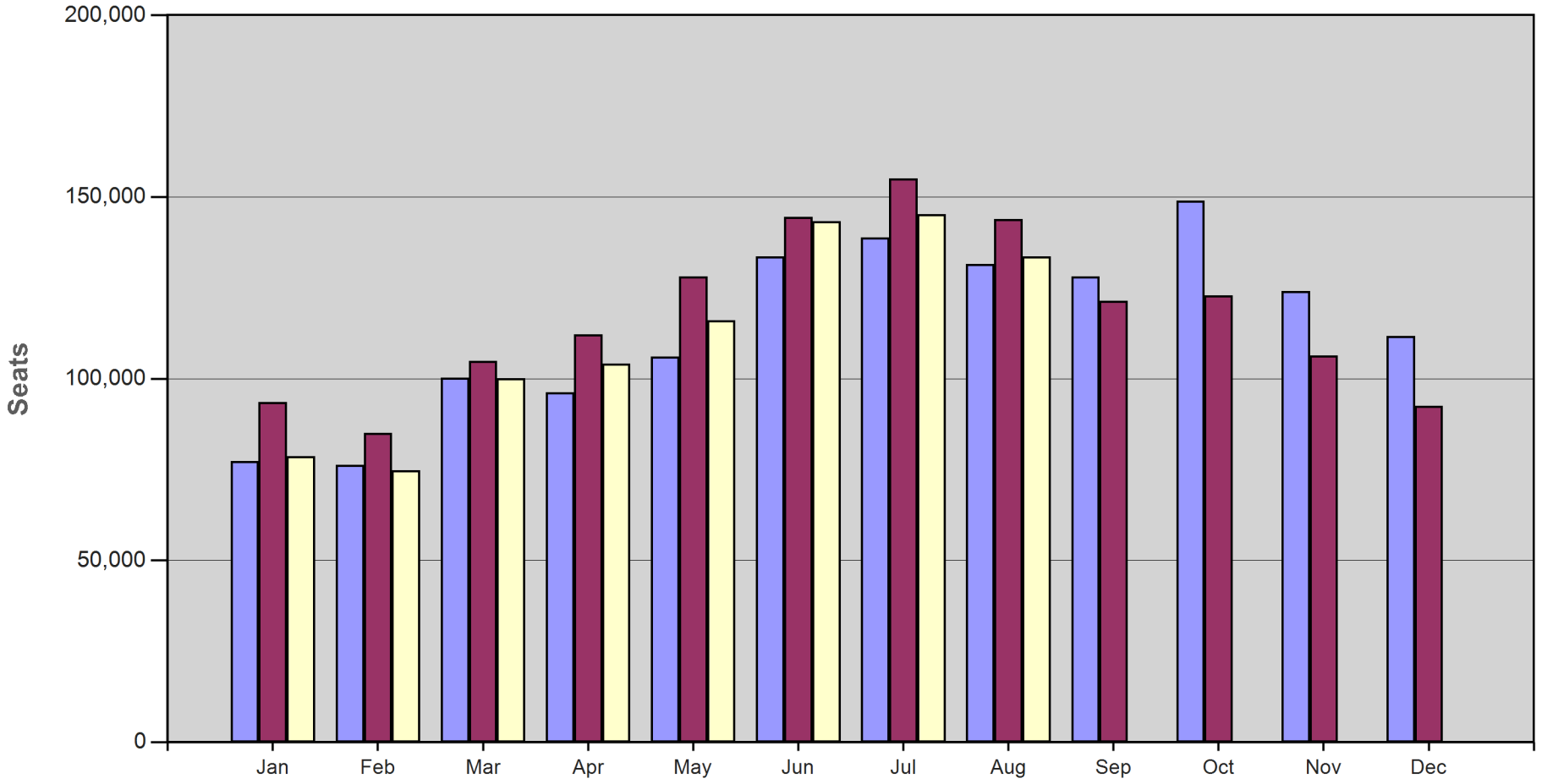
Airline	Scheduled Flights	Cancellations Due To				Total Cancellations	Percentage of Completed Flights
		Field	Mechanical	Weather	Other		
Allegiant Air	313	0	0	0	20	20	93.6%
American Airlines	497	0	0	10	0	10	98.0%
Delta Air Lines	291	0	0	0	0	0	100.0%
JetBlue Airways	19	0	0	0	0	0	100.0%
United Airlines	148	0	0	0	0	0	100.0%
Total	1,268	0	0	10	20	30	97.6%

Monthly Enplanements By Year
Asheville Regional Airport
August, 2025



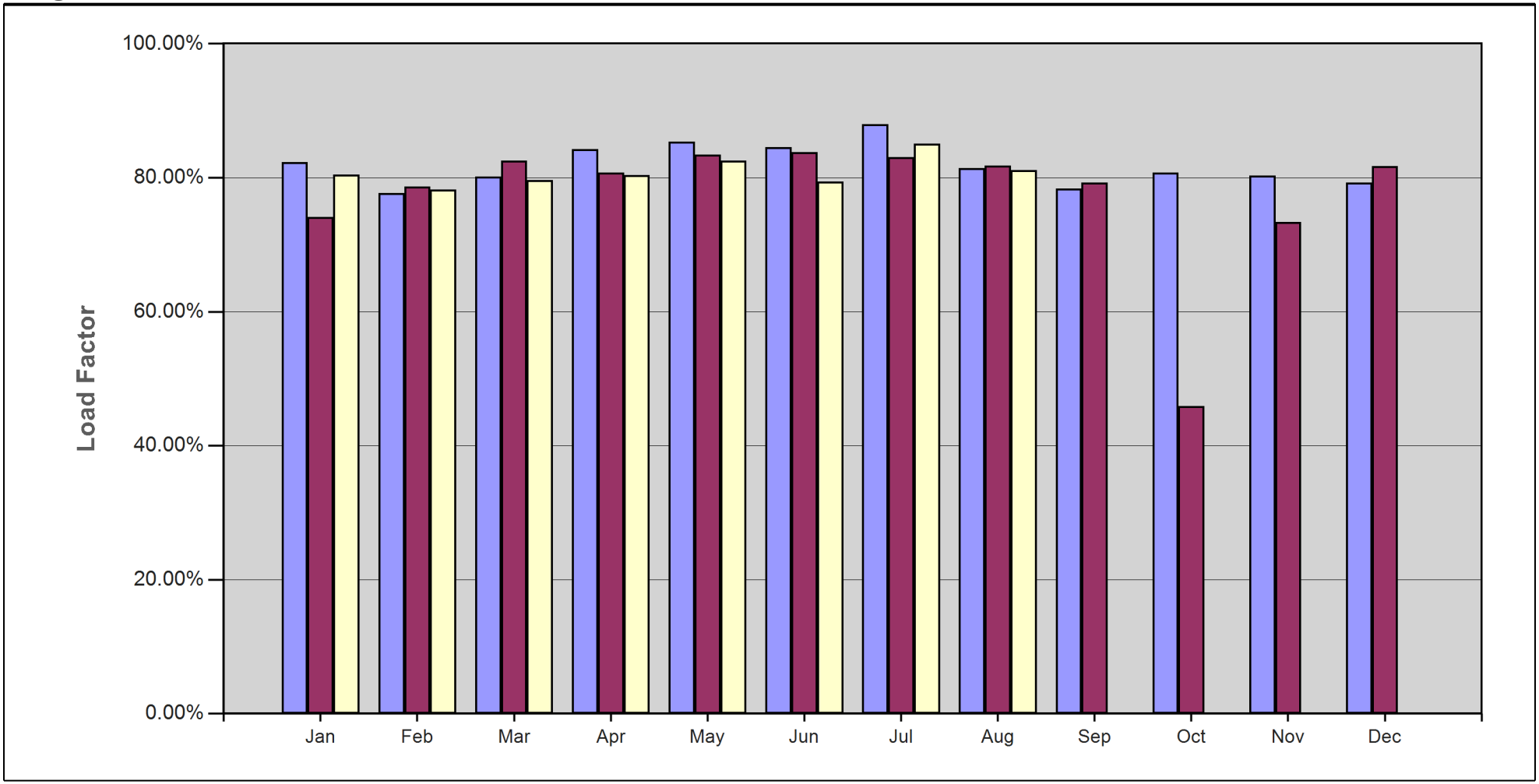
		1	2	3	4	5	6	7	8	9	10	11	12
	2023	63,676	59,276	80,380	81,093	90,502	112,970	122,224	107,019	100,405	120,329	99,713	88,648
	2024	69,298	66,942	86,585	90,518	106,873	121,083	128,856	117,738	96,274	56,335	78,083	75,612
	2025	63,282	58,501	79,702	83,759	95,851	113,801	123,595	108,459				

Monthly Seats By Year
Asheville Regional Airport
August, 2025



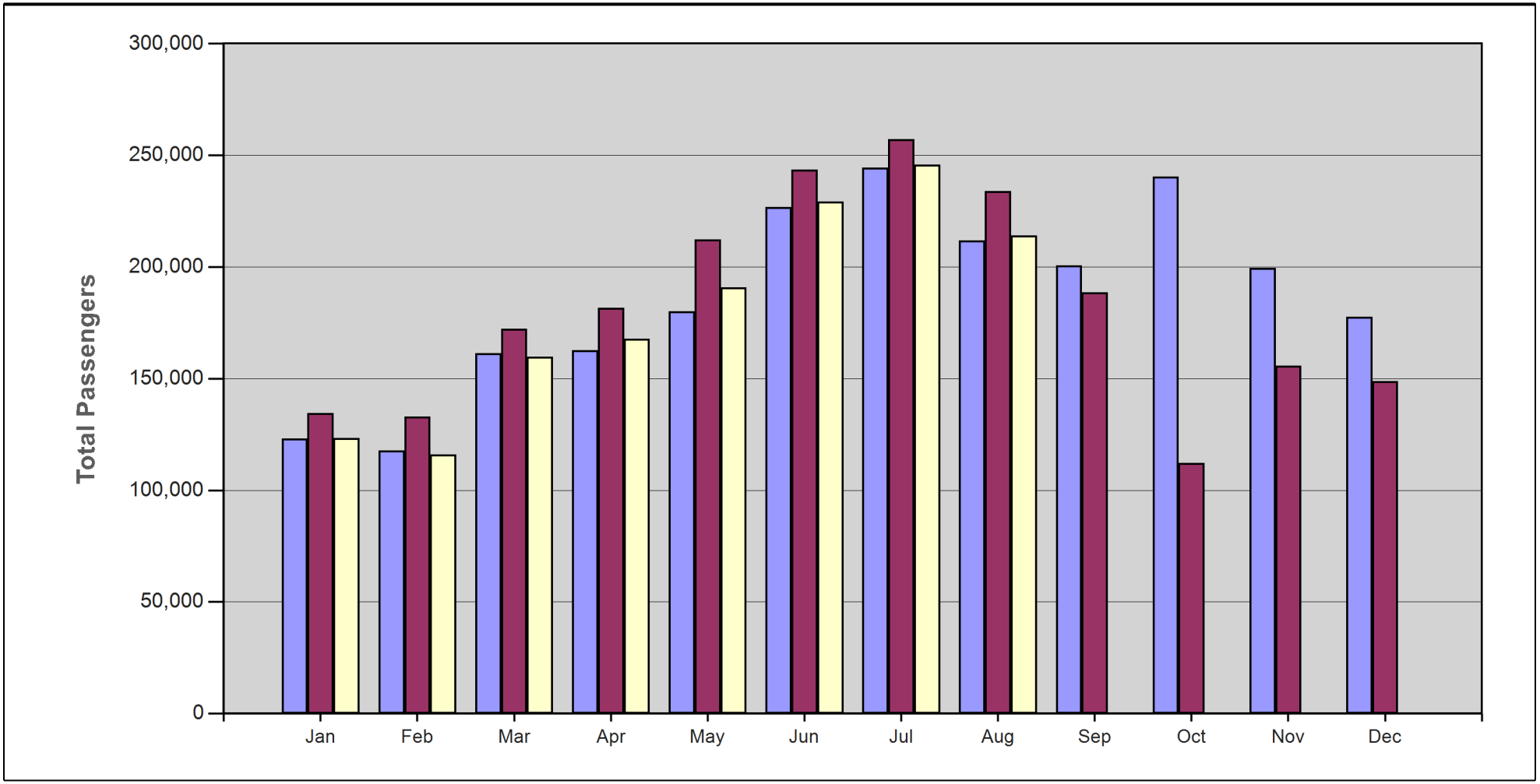
		1	2	3	4	5	6	7	8	9	10	11	12
	2023	77,331	76,283	100,299	96,249	106,061	133,683	138,915	131,485	128,094	149,005	124,154	111,803
	2024	93,525	85,102	104,933	112,150	128,091	144,497	155,097	143,970	121,457	122,864	106,380	92,511
	2025	78,671	74,832	100,101	104,205	116,121	143,320	145,256	133,661				

Monthly Load Factors By Year
Asheville Regional Airport
August, 2025



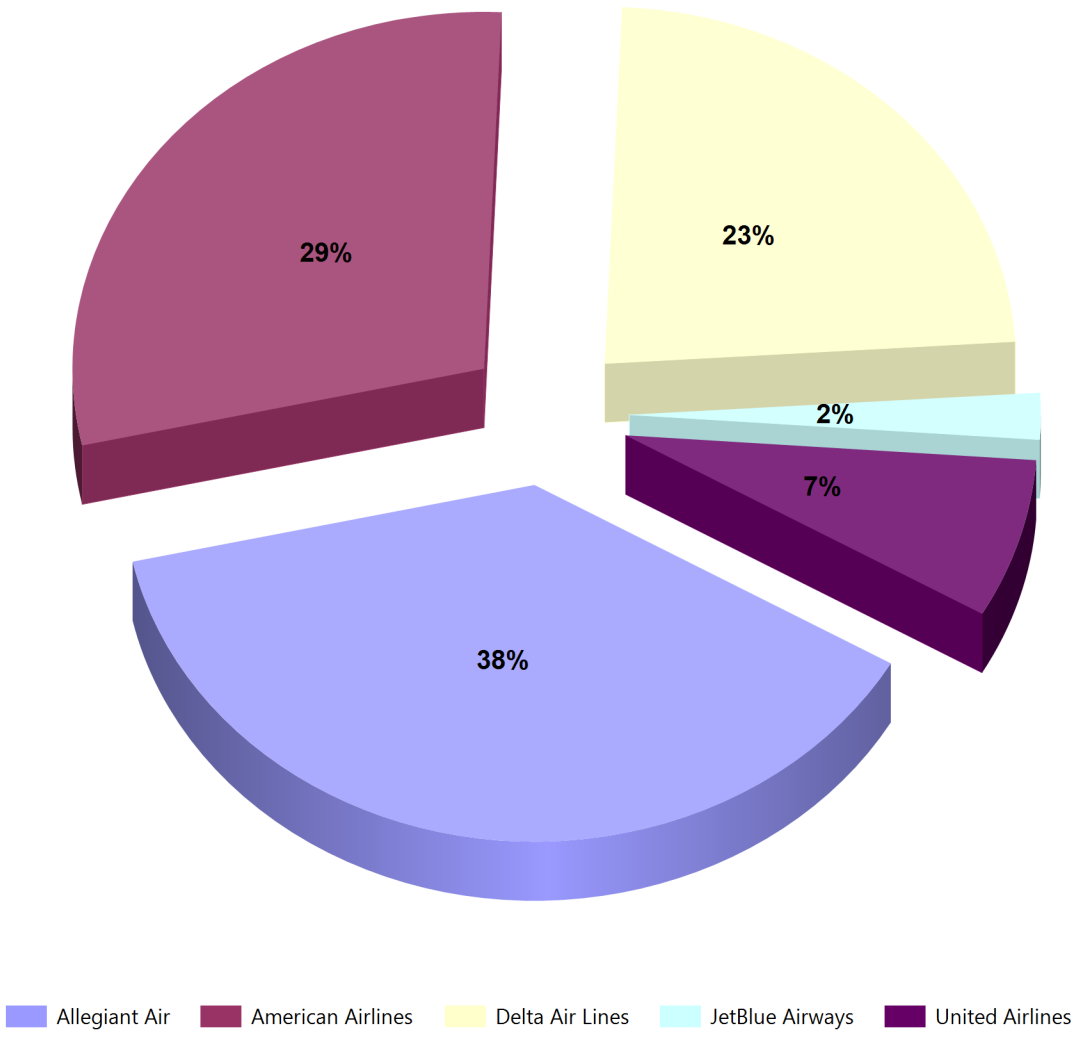
		1	2	3	4	5	6	7	8	9	10	11	12
	2023	82.34%	77.71%	80.14%	84.25%	85.33%	84.51%	87.98%	81.39%	78.38%	80.76%	80.31%	79.29%
	2024	74.10%	78.66%	82.51%	80.71%	83.44%	83.80%	83.08%	81.78%	79.27%	45.85%	73.40%	81.73%
	2025	80.44%	78.18%	79.62%	80.38%	82.54%	79.40%	85.09%	81.14%				

Total Monthly Passengers By Year
Asheville Regional Airport
August, 2025



		1	2	3	4	5	6	7	8	9	10	11	12
	2023	123,117	117,682	161,265	162,599	180,062	226,839	244,504	211,836	200,759	240,551	199,503	177,694
	2024	134,630	133,022	172,380	181,705	212,267	243,473	257,095	234,053	188,581	112,191	155,790	148,938
	2025	123,260	116,053	159,813	167,837	190,838	229,188	245,816	214,186				

Airline Market Share Analysis (Enplanements)
Asheville Regional Airport
August, 2025

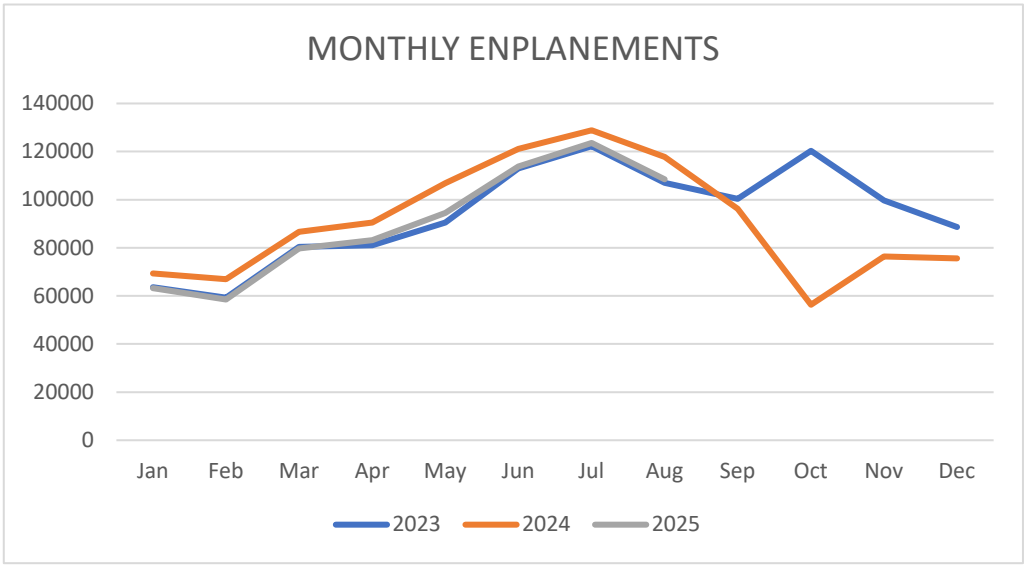


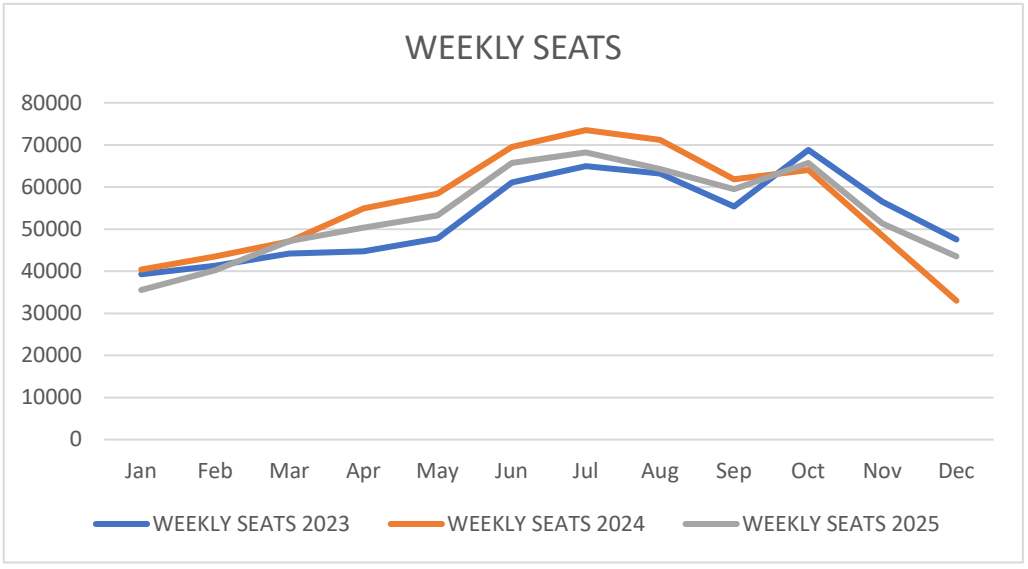
AVL - Three month schedule Summary Report
December 2025 to February 2026 vs. same time periods in 2024 & 2025
30-Sep-25
Note: Representative of a sample week of a given month

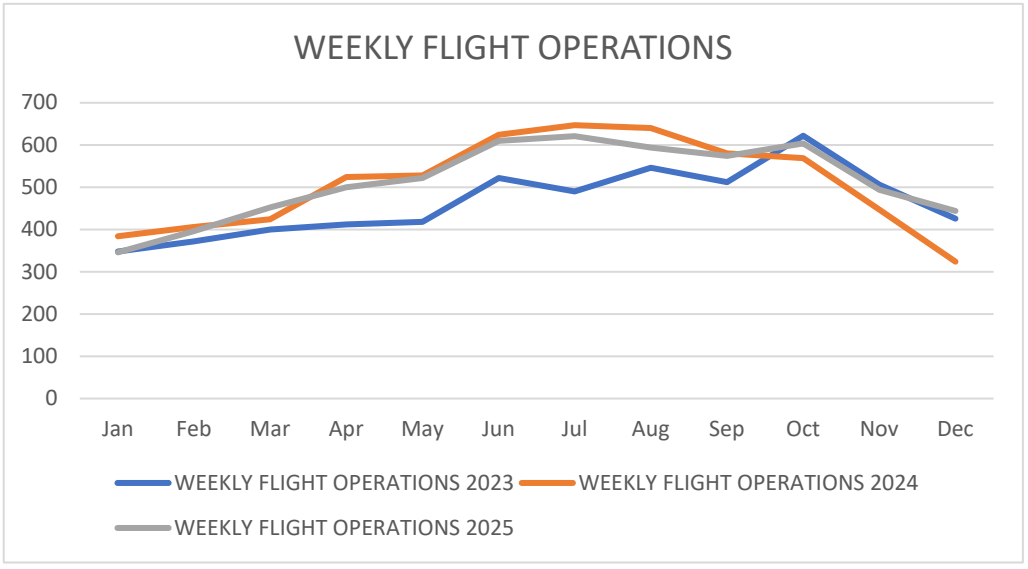
Mkt Al	Travel Period	Orig	Dest	Dec 2025 Ops/Week	Dec 2025 Seats	Dec 2024 Ops/Week	Dec 2024 Seats	Dec 2023 Ops/Week	Dec 2023 Seats	Diff YoY Ops/Week	Diff YoY Seats	Percent Diff YoY Ops/Week	Percent Diff YoY Seats	Diff Yo2Y Ops/Week	Diff Yo2Y Seats	Percent Diff Yo2Y Ops/Week	Percent Diff Yo2Y Seats
AA	AVL-CLT	AVL	CLT	35	2,088	25	1,718	42	2,958	10	370	40.0%	21.5%	(7)	(870)	(16.7%)	(29.4%)
AA	CLT-AVL	CLT	AVL	35	2,088	25	1,718	42	2,958	10	370	40.0%	21.5%	(7)	(870)	(16.7%)	(29.4%)
AA	AVL-DCA	AVL	DCA	7	455	7	455	14	921	0	0	0.0%	0.0%	(7)	(466)	(50.0%)	(50.6%)
AA	DCA-AVL	DCA	AVL	7	455	7	455	14	921	0	0	0.0%	0.0%	(7)	(466)	(50.0%)	(50.6%)
AA	AVL-DFW	AVL	DFW	14	1,428	14	1,053	7	1,050	0	375	0.0%	35.6%	7	378	100.0%	36.0%
AA	DFW-AVL	DFW	AVL	14	1,428	14	1,053	7	1,050	0	375	0.0%	35.6%	7	378	100.0%	36.0%
AA	AVL-LGA	AVL	LGA	9	651	7	532	7	532	2	119	28.6%	22.4%	2	119	28.6%	22.4%
AA	LGA-AVL	LGA	AVL	9	651	7	532	7	532	2	119	28.6%	22.4%	2	119	28.6%	22.4%
AA	AVL-MIA	AVL	MIA	2	152	0	0	0	0	2	152	-	-	2	152	-	-
AA	MIA-AVL	MIA	AVL	2	152	0	0	0	0	2	152	-	-	2	152	-	-
AA	AVL-ORD	AVL	ORD	14	910	0	0	0	0	14	910	-	-	14	910	-	-
AA	ORD-AVL	ORD	AVL	14	910	0	0	0	0	14	910	-	-	14	910	-	-
AA	AVL-PHL	AVL	PHL	7	350	7	350	0	0	0	0	0.0%	0.0%	7	350	-	-
AA	PHL-AVL	PHL	AVL	7	350	7	350	0	0	0	0	0.0%	0.0%	7	350	-	-
B6	AVL-BOS	AVL	BOS	0	0	0	0	0	0	0	0	-	-	0	0	-	-
B6	BOS-AVL	BOS	AVL	0	0	0	0	0	0	0	0	-	-	0	0	-	-
DL	ATL-AVL	ATL	AVL	45	4,950	35	3,850	44	4,840	10	1,100	28.6%	28.6%	1	110	2.3%	2.3%
DL	AVL-ATL	AVL	ATL	45	4,950	35	3,850	44	4,840	10	1,100	28.6%	28.6%	1	110	2.3%	2.3%
DL	AVL-BOS	AVL	BOS	0	0	0	0	0	0	0	0	-	-	0	0	-	-
DL	BOS-AVL	BOS	AVL	0	0	0	0	0	0	0	0	-	-	0	0	-	-
DL	AVL-LGA	AVL	LGA	13	988	13	982	13	916	0	6	0.0%	0.6%	0	72	0.0%	7.9%
DL	LGA-AVL	LGA	AVL	13	988	13	982	13	916	0	6	0.0%	0.6%	0	72	0.0%	7.9%
DL	AVL-MSP	AVL	MSP	0	0	0	0	3	424	0	0	-	-	(3)	(424)	(100.0%)	(100.0%)
DL	MSP-AVL	MSP	AVL	0	0	0	0	3	424	0	0	-	-	(3)	(424)	(100.0%)	(100.0%)
G4	AUS-AVL	AUS	AVL	0	0	0	0	2	312	0	0	-	-	(2)	(312)	(100.0%)	(100.0%)
G4	AVL-AUS	AVL	AUS	0	0	0	0	2	312	0	0	-	-	(2)	(312)	(100.0%)	(100.0%)
G4	AVL-BOS	AVL	BOS	2	360	0	0	2	372	2	360	-	-	0	(12)	0.0%	(3.2%)
G4	BOS-AVL	BOS	AVL	2	360	0	0	2	372	2	360	-	-	0	(12)	0.0%	(3.2%)
G4	AVL-BWI	AVL	BWI	0	0	0	0	2	372	0	0	-	-	(2)	(372)	(100.0%)	(100.0%)
G4	BWI-AVL	BWI	AVL	0	0	0	0	2	372	0	0	-	-	(2)	(372)	(100.0%)	(100.0%)
G4	AVL-DEN	AVL	DEN	0	0	0	0	2	372	0	0	-	-	(2)	(372)	(100.0%)	(100.0%)
G4	DEN-AVL	DEN	AVL	0	0	0	0	2	372	0	0	-	-	(2)	(372)	(100.0%)	(100.0%)
G4	AVL-EWR	AVL	EWR	3	540	2	372	2	372	1	168	50.0%	45.2%	1	168	50.0%	45.2%
G4	EWR-AVL	EWR	AVL	3	540	2	372	2	372	1	168	50.0%	45.2%	1	168	50.0%	45.2%
G4	AVL-EYW	AVL	EYW	2	360	2	312	2	312	0	48	0.0%	15.4%	0	48	0.0%	15.4%
G4	EYW-AVL	EYW	AVL	2	360	2	312	2	312	0	48	0.0%	15.4%	0	48	0.0%	15.4%
G4	AVL-FLL	AVL	FLL	10	1,820	6	1,107	11	2,028	4	713	66.7%	64.4%	(1)	(208)	(9.1%)	(10.3%)
G4	FLL-AVL	FLL	AVL	10	1,820	6	1,107	11	2,028	4	713	66.7%	64.4%	(1)	(208)	(9.1%)	(10.3%)
G4	AVL-HOU	AVL	HOU	0	0	0	0	0	0	0	0	-	-	0	0	-	-
G4	HOU-AVL	HOU	AVL	0	0	0	0	0	0	0	0	-	-	0	0	-	-
G4	AVL-IAD	AVL	IAD	2	360	0	0	0	0	2	360	-	-	2	360	-	-
G4	IAD-AVL	IAD	AVL	2	360	0	0	0	0	2	360	-	-	2	360	-	-
G4	AVL-LAS	AVL	LAS	2	360	2	372	2	372	0	(12)	0.0%	(3.2%)	0	(12)	0.0%	(3.2%)
G4	LAS-AVL	LAS	AVL	2	360	2	372	2	372	0	(12)	0.0%	(3.2%)	0	(12)	0.0%	(3.2%)
G4	AVL-MCO	AVL	MCO	2	360	2	372	0	0	0	(12)	0.0%	(3.2%)	2	360	-	-
G4	MCO-AVL	MCO	AVL	2	360	2	372	0	0	0	(12)	0.0%	(3.2%)	2	360	-	-
G4	AVL-MDW	AVL	MDW	0	0	0	0	2	372	0	0	-	-	(2)	(372)	(100.0%)	(100.0%)
G4	MDW-AVL	MDW	AVL	0	0	0	0	2	372	0	0	-	-	(2)	(372)	(100.0%)	(100.0%)
G4	AVL-MSP	AVL	MSP	0	0	0	0	0	0	0	0	-	-	0	0	-	-
G4	MSP-AVL	MSP	AVL	0	0	0	0	0	0	0	0	-	-	0	0	-	-
G4	AVL-PBI	AVL	PBI	2	360	2	372	2	372	0	(12)	0.0%	(3.2%)	0	(12)	0.0%	(3.2%)
G4	PBI-AVL	PBI	AVL	2	360	2	372	2	372	0	(12)	0.0%	(3.2%)	0	(12)	0.0%	(3.2%)
G4	AVL-PGD	AVL	PGD	2	360	2	372	3	558	0	(12)	0.0%	(3.2%)	(1)	(198)	(33.3%)	(35.5%)
G4	PGD-AVL	PGD	AVL	2	360	2	372	3	558	0	(12)	0.0%	(3.2%)	(1)	(198)	(33.3%)	(35.5%)
G4	AVL-PHX	AVL	PHX	0	0	2	372	2	372	(2)	(372)	(100.0%)	(100.0%)	(2)	(372)	(100.0%)	(100.0%)
G4	PHX-AVL	PHX	AVL	0	0	2	372	2	372	(2)	(372)	(100.0%)	(100.0%)	(2)	(372)	(100.0%)	(100.0%)
G4	AVL-PIE	AVL	PIE	7	1,270	5	864	8	1,488	2	406	40.0%	47.0%	(1)	(218)	(12.5%)	(14.7%)
G4	PIE-AVL	PIE	AVL	7	1,270	5	864	8	1,488	2	406	40.0%	47.0%	(1)	(218)	(12.5%)	(14.7%)
G4	AVL-SFB	AVL	SFB	9	1,650	6	1,098	11	2,046	3	552	50.0%	50.3%	(2)	(396)	(18.2%)	(19.4%)
G4	SFB-AVL	SFB	AVL	9	1,650	6	1,098	11	2,046	3	552	50.0%	50.3%	(2)	(396)	(18.2%)	(19.4%)
G4	AVL-SRQ	AVL	SRQ	2	360	2	372	2	372	0	(12)	0.0%	(3.2%)	0	(12)	0.0%	(3.2%)
G4	SRQ-AVL	SRQ	AVL	2	360	2	372	2	372	0	(12)	0.0%	(3.2%)	0	(12)	0.0%	(3.2%)
G4	AVL-VPS	AVL	VPS	0	0	0	0	0	0	0	0	-	-	0	0	-	-
G4	VPS-AVL	VPS	AVL	0	0	0	0	0	0	0	0	-	-	0	0	-	-
SY	AVL-MSP	AVL	MSP	0	0	0	0	0	0	0	0	-	-	0	0	-	-
SY	MSP-AVL	MSP	AVL	0	0	0	0	0	0	0	0	-	-	0	0	-	-
UA	AVL-DEN	AVL	DEN	3	228	0	0	7	490	3	228	-	-	(4)	(262)	(57.1%)	(53.5%)
UA	DEN-AVL	DEN	AVL	3	228	0	0	7	490	3	228	-	-	(4)	(262)	(57.1%)	(53.5%)
UA	AVL-EWR	AVL	EWR	7	350	7	532	7	494	0	(182)	0.0%	(34.2%)	0	(144)	0.0%	(29.1%)
UA	EWR-AVL	EWR	AVL	7	350	7	532	7	494	0	(182)	0.0%	(34.2%)	0	(144)	0.0%	(29.1%)
UA	AVL-ORD	AVL	ORD	21	1,050	14	1,034	14	1,058	7	16	50.0%	1.5%	7	(8)	50.0%	(0.8%)
UA	ORD-AVL	ORD	AVL	21	1,050	14	1,034	14	1,058	7	16	50.0%	1.5%	7	(8)	50.0%	(0.8%)
			Total	**444**	**43,520**	**324**	**32,982**	**426**	**47,550**	**120**	**10,538**	**37.0%**	**32.0%**	**18**	**(4,030)**	**4.2%**	**(8.5%)**

Mkt Al	Travel Period	Orig	Dest	Jan 2026 Ops/Week	Jan 2026 Seats	Jan 2025 Ops/Week	Jan 2025 Seats	Jan 2024 Ops/Week	Jan 2024 Seats	Diff YoY Ops/Week	Diff YoY Seats	Percent Diff YoY Ops/Week	Percent Diff YoY Seats	Diff Yo2Y Ops/Week	Diff Yo2Y Seats	Percent Diff Yo2Y Ops/Week	Percent Diff Yo2Y Seats
AA	AVL-CLT	AVL	CLT	47	3,540	43	3,060	53	3,920	4	480	9.3%	15.7%	(6)	(380)	(11.3%)	(9.7%)
AA	CLT-AVL	CLT	AVL	47	3,540	43	3,060	53	3,920	4	480	9.3%	15.7%	(6)	(380)	(11.3%)	(9.7%)
AA	AVL-DCA	AVL	DCA	7	455	7	455	7	532	0	0	0.0%	0.0%	0	(77)	0.0%	(14.5%)
AA	DCA-AVL	DCA	AVL	7	455	7	455	7	532	0	0	0.0%	0.0%	0	(77)	0.0%	(14.5%)
AA	AVL-DFW	AVL	DFW	14	1,814	11	836	7	532	3	978	27.3%	117.0%	7	1,282	100.0%	241.0%
AA	DFW-AVL	DFW	AVL	14	1,814	11	836	7	532	3	978	27.3%	117.0%	7	1,282	100.0%	241.0%
AA	AVL-LGA	AVL	LGA	9	673	7	521	7	532	2	152	28.6%	29.2%	2	141	28.6%	26.5%
AA	LGA-AVL	LGA	AVL	9	673	7	521	7	532	2	152	28.6%	29.2%	2	141	28.6%	26.5%
AA	AVL-MIA	AVL	MIA	0	0	0	0	0	0	0	0	-	-	0	0	-	-
AA	MIA-AVL	MIA	AVL	0	0	0	0	0	0	0	0	-	-	0	0	-	-
AA	AVL-ORD	AVL	ORD	0	0	0	0	0	0	0	0	-	-	0	0	-	-
AA	ORD-AVL	ORD	AVL	0	0	0	0	0	0	0	0	-	-	0	0	-	-
AA	AVL-PHL	AVL	PHL	0	0	0	0	0	0	0	0	-	-	0	0	-	-
AA	PHL-AVL	PHL	AVL	0	0	0	0	0	0	0	0	-	-	0	0	-	-
B6	AVL-BOS	AVL	BOS	0	0	0	0	0	0	0	0	-	-	0	0	-	-
B6	BOS-AVL	BOS	AVL	0	0	0	0	0	0	0	0	-	-	0	0	-	-
DL	ATL-AVL	ATL	AVL	39	3,814	35	3,204	41	4,510	4	610	11.4%	19.0%	(2)	(696)	(4.9%)	(15.4%)
DL	AVL-ATL	AVL	ATL	39	3,814	35	3,204	41	4,510	4	610	11.4%	19.0%	(2)	(696)	(4.9%)	(15.4%)
DL	AVL-BOS	AVL	BOS	0	0	0	0	0	0	0	0	-	-	0	0	-	-
DL	BOS-AVL	BOS	AVL	0	0	0	0	0	0	0	0	-	-	0	0	-	-
DL	AVL-LGA	AVL	LGA	7	490	7	532	7	532	0	(42)	0.0%	(7.9%)	0	(42)	0.0%	(7.9%)
DL	LGA-AVL	LGA	AVL	7	490	7	532	7	532	0	(42)	0.0%	(7.9%)	0	(42)	0.0%	(7.9%)
DL	AVL-MSP	AVL	MSP	0	0	0	0	0	0	0	0	-	-	0	0	-	-
DL	MSP-AVL	MSP	AVL	0	0	0	0	0	0	0	0	-	-	0	0	-	-
G4	AUS-AVL	AUS	AVL	0	0	2	372	2	312	(2)	(372)	(100.0%)	(100.0%)	(2)	(312)	(100.0%)	(100.0%)
G4	AVL-AUS	AVL	AUS	0	0	2	372	2	312	(2)	(372)	(100.0%)	(100.0%)	(2)	(312)	(100.0%)	(100.0%)
G4	AVL-BOS	AVL	BOS	0	0	0	0	0	0	0	0	-	-	0	0	-	-
G4	BOS-AVL	BOS	AVL	0	0	0	0	0	0	0	0	-	-	0	0	-	-
G4	AVL-BWI	AVL	BWI	0	0	0	0	0	0	0	0	-	-	0	0	-	-
G4	BWI-AVL	BWI	AVL	0	0	0	0	0	0	0	0	-	-	0	0	-	-
G4	AVL-DEN	AVL	DEN	0	0	0	0	0	0	0	0	-	-	0	0	-	-
G4	DEN-AVL	DEN	AVL	0	0	0	0	0	0	0	0	-	-	0	0	-	-
G4	AVL-EWR	AVL	EWR	2	360	2	372	2	372	0	(12)	0.0%	(3.2%)	0	(12)	0.0%	(3.2%)
G4	EWR-AVL	EWR	AVL	2	360	2	372	2	372	0	(12)	0.0%	(3.2%)	0	(12)	0.0%	(3.2%)
G4	AVL-EYW	AVL	EYW	2	360	2	312	2	312	0	48	0.0%	15.4%	0	48	0.0%	15.4%
G4	EYW-AVL	EYW	AVL	2	360	2	312	2	312	0	48	0.0%	15.4%	0	48	0.0%	15.4%
G4	AVL-FLL	AVL	FLL	10	1,820	10	1,864	10	1,824	0	(44)	0.0%	(2.4%)	0	(4)	0.0%	(0.2%)
G4	FLL-AVL	FLL	AVL	10	1,820	10	1,864	10	1,824	0	(44)	0.0%	(2.4%)	0	(4)	0.0%	(0.2%)
G4	AVL-HOU	AVL	HOU	0	0	0	0	0	0	0	0	-	-	0	0	-	-
G4	HOU-AVL	HOU	AVL	0	0	0	0	0	0	0	0	-	-	0	0	-	-
G4	AVL-IAD	AVL	IAD	0	0	0	0	0	0	0	0	-	-	0	0	-	-
G4	IAD-AVL	IAD	AVL	0	0	0	0	0	0	0	0	-	-	0	0	-	-
G4	AVL-LAS	AVL	LAS	2	360	2	372	2	372	0	(12)	0.0%	(3.2%)	0	(12)	0.0%	(3.2%)
G4	LAS-AVL	LAS	AVL	2	360	2	372	2	372	0	(12)	0.0%	(3.2%)	0	(12)	0.0%	(3.2%)
G4	AVL-MCO	AVL	MCO	2	360	2	372	0	0	0	(12)	0.0%	(3.2%)	2	360	-	-
G4	MCO-AVL	MCO	AVL	2	360	2	372	0	0	0	(12)	0.0%	(3.2%)	2	360	-	-
G4	AVL-MDW	AVL	MDW	0	0	0	0	0	0	0	0	-	-	0	0	-	-
G4	MDW-AVL	MDW	AVL	0	0	0	0	0	0	0	0	-	-	0	0	-	-
G4	AVL-MSP	AVL	MSP	0	0	0	0	0	0	0	0	-	-	0	0	-	-
G4	MSP-AVL	MSP	AVL	0	0	0	0	0	0	0	0	-	-	0	0	-	-
G4	AVL-PBI	AVL	PBI	2	360	2	372	2	372	0	(12)	0.0%	(3.2%)	0	(12)	0.0%	(3.2%)
G4	PBI-AVL	PBI	AVL	2	360	2	372	2	372	0	(12)	0.0%	(3.2%)	0	(12)	0.0%	(3.2%)
G4	AVL-PGD	AVL	PGD	2	360	2	372	2	372	0	(12)	0.0%	(3.2%)	0	(12)	0.0%	(3.2%)
G4	PGD-AVL	PGD	AVL	2	360	2	372	2	372	0	(12)	0.0%	(3.2%)	0	(12)	0.0%	(3.2%)
G4	AVL-PHX	AVL	PHX	0	0	2	372	2	372	(2)	(372)	(100.0%)	(100.0%)	(2)	(372)	(100.0%)	(100.0%)
G4	PHX-AVL	PHX	AVL	0	0	2	372	2	372	(2)	(372)	(100.0%)	(100.0%)	(2)	(372)	(100.0%)	(100.0%)
G4	AVL-PIE	AVL	PIE	7	1,270	7	1,176	8	1,488	0	94	0.0%	8.0%	(1)	(218)	(12.5%)	(14.7%)
G4	PIE-AVL	PIE	AVL	7	1,270	7	1,176	8	1,488	0	94	0.0%	8.0%	(1)	(218)	(12.5%)	(14.7%)
G4	AVL-SFB	AVL	SFB	7	1,290	7	1,314	8	1,488	0	(24)	0.0%	(1.8%)	(1)	(198)	(12.5%)	(13.3%)
G4	SFB-AVL	SFB	AVL	7	1,290	7	1,314	8	1,488	0	(24)	0.0%	(1.8%)	(1)	(198)	(12.5%)	(13.3%)
G4	AVL-SRQ	AVL	SRQ	2	360	2	372	2	372	0	(12)	0.0%	(3.2%)	0	(12)	0.0%	(3.2%)
G4	SRQ-AVL	SRQ	AVL	2	360	2	372	2	372	0	(12)	0.0%	(3.2%)	0	(12)	0.0%	(3.2%)
G4	AVL-VPS	AVL	VPS	0	0	0	0	0	0	0	0	-	-	0	0	-	-
G4	VPS-AVL	VPS	AVL	0	0	0	0	0	0	0	0	-	-	0	0	-	-
SY	AVL-MSP	AVL	MSP	0	0	0	0	0	0	0	0	-	-	0	0	-	-
SY	MSP-AVL	MSP	AVL	0	0	0	0	0	0	0	0	-	-	0	0	-	-
UA	AVL-DEN	AVL	DEN	5	380	0	0	7	490	5	380	-	-	(2)	(110)	(28.6%)	(22.4%)
UA	DEN-AVL	DEN	AVL	5	380	0	0	7	490	5	380	-	-	(2)	(110)	(28.6%)	(22.4%)
UA	AVL-EWR	AVL	EWR	7	532	7	480	7	470	0	52	0.0%	10.8%	0	62	0.0%	13.2%
UA	EWR-AVL	EWR	AVL	7	532	7	480	7	470	0	52	0.0%	10.8%	0	62	0.0%	13.2%
UA	AVL-ORD	AVL	ORD	21	1,050	14	1,034	14	1,012	7	16	50.0%	1.5%	7	38	50.0%	3.8%
UA	ORD-AVL	ORD	AVL	21	1,050	14	1,034	14	1,012	7	16	50.0%	1.5%	7	38	50.0%	3.8%
			Total	**388**	**39,296**	**346**	**35,528**	**384**	**40,372**	**42**	**3,768**	**12.1%**	**10.6%**	**4**	**(1,076)**	**1.0%**	**(2.7%)**

Mkt Al	Travel Period	Orig	Dest	Feb 2026 Ops/Week	Feb 2026 Seats	Feb 2025 Ops/Week	Feb 2025 Seats	Feb 2024 Ops/Week	Feb 2024 Seats	Diff YoY Ops/Week	Diff YoY Seats	Percent Diff YoY Ops/Week	Percent Diff YoY Seats	Diff Yo2Y Ops/Week	Diff Yo2Y Seats	Percent Diff Yo2Y Ops/Week	Percent Diff Yo2Y Seats
AA	AVL-CLT	AVL	CLT	49	3,647	46	3,393	49	3,505	3	254	6.5%	7.5%	0	142	0.0%	4.1%
AA	CLT-AVL	CLT	AVL	49	3,647	46	3,393	49	3,505	3	254	6.5%	7.5%	0	142	0.0%	4.1%
AA	AVL-DCA	AVL	DCA	7	455	7	455	6	390	0	0	0.0%	0.0%	1	65	16.7%	16.7%
AA	DCA-AVL	DCA	AVL	7	455	7	455	6	390	0	0	0.0%	0.0%	1	65	16.7%	16.7%
AA	AVL-DFW	AVL	DFW	14	1,064	14	1,064	7	532	0	0	0.0%	0.0%	7	532	100.0%	100.0%
AA	DFW-AVL	DFW	AVL	14	1,064	14	1,064	7	532	0	0	0.0%	0.0%	7	532	100.0%	100.0%
AA	AVL-LGA	AVL	LGA	7	532	7	532	6	456	0	0	0.0%	0.0%	1	76	16.7%	16.7%
AA	LGA-AVL	LGA	AVL	7	532	7	532	6	456	0	0	0.0%	0.0%	1	76	16.7%	16.7%
AA	AVL-MIA	AVL	MIA	0	0	0	0	0	0	0	0	-	-	0	0	-	-
AA	MIA-AVL	MIA	AVL	0	0	0	0	0	0	0	0	-	-	0	0	-	-
AA	AVL-ORD	AVL	ORD	0	0	0	0	0	0	0	0	-	-	0	0	-	-
AA	ORD-AVL	ORD	AVL	0	0	0	0	0	0	0	0	-	-	0	0	-	-
AA	AVL-PHL	AVL	PHL	7	350	0	0	7	350	7	350	-	-	0	0	0.0%	0.0%
AA	PHL-AVL	PHL	AVL	7	350	0	0	7	350	7	350	-	-	0	0	0.0%	0.0%
B6	AVL-BOS	AVL	BOS	0	0	0	0	0	0	0	0	-	-	0	0	-	-
B6	BOS-AVL	BOS	AVL	0	0	0	0	0	0	0	0	-	-	0	0	-	-
DL	ATL-AVL	ATL	AVL	46	4,686	41	4,034	41	4,510	5	652	12.2%	16.2%	5	176	12.2%	3.9%
DL	AVL-ATL	AVL	ATL	46	4,686	41	4,034	41	4,510	5	652	12.2%	16.2%	5	176	12.2%	3.9%
DL	AVL-BOS	AVL	BOS	0	0	0	0	0	0	0	0	-	-	0	0	-	-
DL	BOS-AVL	BOS	AVL	0	0	0	0	0	0	0	0	-	-	0	0	-	-
DL	AVL-LGA	AVL	LGA	7	490	7	532	7	532	0	(42)	0.0%	(7.9%)	0	(42)	0.0%	(7.9%)
DL	LGA-AVL	LGA	AVL	7	490	7	532	7	532	0	(42)	0.0%	(7.9%)	0	(42)	0.0%	(7.9%)
DL	AVL-MSP	AVL	MSP	0	0	0	0	0	0	0	0	-	-	0	0	-	-
DL	MSP-AVL	MSP	AVL	0	0	0	0	0	0	0	0	-	-	0	0	-	-
G4	AUS-AVL	AUS	AVL	0	0	2	312	2	312	(2)	(312)	(100.0%)	(100.0%)	(2)	(312)	(100.0%)	(100.0%)
G4	AVL-AUS	AVL	AUS	0	0	2	312	2	312	(2)	(312)	(100.0%)	(100.0%)	(2)	(312)	(100.0%)	(100.0%)
G4	AVL-BOS	AVL	BOS	2	360	3	468	2	372	(1)	(108)	(33.3%)	(23.1%)	0	(12)	0.0%	(3.2%)
G4	BOS-AVL	BOS	AVL	2	360	3	468	2	372	(1)	(108)	(33.3%)	(23.1%)	0	(12)	0.0%	(3.2%)
G4	AVL-BWI	AVL	BWI	0	0	0	0	0	0	0	0	-	-	0	0	-	-
G4	BWI-AVL	BWI	AVL	0	0	0	0	0	0	0	0	-	-	0	0	-	-
G4	AVL-DEN	AVL	DEN	2	360	2	312	2	372	0	48	0.0%	15.4%	0	(12)	0.0%	(3.2%)
G4	DEN-AVL	DEN	AVL	2	360	2	312	2	372	0	48	0.0%	15.4%	0	(12)	0.0%	(3.2%)
G4	AVL-EWR	AVL	EWR	2	360	2	312	2	372	0	48	0.0%	15.4%	0	(12)	0.0%	(3.2%)
G4	EWR-AVL	EWR	AVL	2	360	2	312	2	372	0	48	0.0%	15.4%	0	(12)	0.0%	(3.2%)
G4	AVL-EYW	AVL	EYW	2	360	2	312	2	312	0	48	0.0%	15.4%	0	48	0.0%	15.4%
G4	EYW-AVL	EYW	AVL	2	360	2	312	2	312	0	48	0.0%	15.4%	0	48	0.0%	15.4%
G4	AVL-FLL	AVL	FLL	12	2,180	12	1,872	12	2,232	0	308	0.0%	16.5%	0	(52)	0.0%	(2.3%)
G4	FLL-AVL	FLL	AVL	12	2,180	12	1,872	12	2,232	0	308	0.0%	16.5%	0	(52)	0.0%	(2.3%)
G4	AVL-HOU	AVL	HOU	0	0	0	0	0	0	0	0	-	-	0	0	-	-
G4	HOU-AVL	HOU	AVL	0	0	0	0	0	0	0	0	-	-	0	0	-	-
G4	AVL-IAD	AVL	IAD	0	0	0	0	0	0	0	0	-	-	0	0	-	-
G4	IAD-AVL	IAD	AVL	0	0	0	0	0	0	0	0	-	-	0	0	-	-
G4	AVL-LAS	AVL	LAS	2	360	2	312	2	372	0	48	0.0%	15.4%	0	(12)	0.0%	(3.2%)
G4	LAS-AVL	LAS	AVL	2	360	2	312	2	372	0	48	0.0%	15.4%	0	(12)	0.0%	(3.2%)
G4	AVL-MCO	AVL	MCO	2	360	2	312	0	0	0	48	0.0%	15.4%	2	360	-	-
G4	MCO-AVL	MCO	AVL	2	360	2	312	0	0	0	48	0.0%	15.4%	2	360	-	-
G4	AVL-MDW	AVL	MDW	0	0	0	0	0	0	0	0	-	-	0	0	-	-
G4	MDW-AVL	MDW	AVL	0	0	0	0	0	0	0	0	-	-	0	0	-	-
G4	AVL-MSP	AVL	MSP	0	0	0	0	2	372	0	0	-	-	(2)	(372)	(100.0%)	(100.0%)
G4	MSP-AVL	MSP	AVL	0	0	0	0	2	372	0	0	-	-	(2)	(372)	(100.0%)	(100.0%)
G4	AVL-PBI	AVL	PBI	2	360	2	312	2	372	0	48	0.0%	15.4%	0	(12)	0.0%	(3.2%)
G4	PBI-AVL	PBI	AVL	2	360	2	312	2	372	0	48	0.0%	15.4%	0	(12)	0.0%	(3.2%)
G4	AVL-PGD	AVL	PGD	3	540	4	624	3	558	(1)	(84)	(25.0%)	(13.5%)	0	(18)	0.0%	(3.2%)
G4	PGD-AVL	PGD	AVL	3	540	4	624	3	558	(1)	(84)	(25.0%)	(13.5%)	0	(18)	0.0%	(3.2%)
G4	AVL-PHX	AVL	PHX	0	0	2	312	2	372	(2)	(312)	(100.0%)	(100.0%)	(2)	(372)	(100.0%)	(100.0%)
G4	PHX-AVL	PHX	AVL	0	0	2	312	2	372	(2)	(312)	(100.0%)	(100.0%)	(2)	(372)	(100.0%)	(100.0%)
G4	AVL-PIE	AVL	PIE	8	1,460	9	1,554	7	1,212	(1)	(94)	(11.1%)	(6.0%)	1	248	14.3%	20.5%
G4	PIE-AVL	PIE	AVL	8	1,460	9	1,554	7	1,212	(1)	(94)	(11.1%)	(6.0%)	1	248	14.3%	20.5%
G4	AVL-SFB	AVL	SFB	9	1,630	9	1,506	10	1,860	0	124	0.0%	8.2%	(1)	(230)	(10.0%)	(12.4%)
G4	SFB-AVL	SFB	AVL	9	1,630	9	1,506	10	1,860	0	124	0.0%	8.2%	(1)	(230)	(10.0%)	(12.4%)
G4	AVL-SRQ	AVL	SRQ	2	360	2	312	2	372	0	48	0.0%	15.4%	0	(12)	0.0%	(3.2%)
G4	SRQ-AVL	SRQ	AVL	2	360	2	312	2	372	0	48	0.0%	15.4%	0	(12)	0.0%	(3.2%)
G4	AVL-VPS	AVL	VPS	0	0	0	0	0	0	0	0	-	-	0	0	-	-
G4	VPS-AVL	VPS	AVL	0	0	0	0	0	0	0	0	-	-	0	0	-	-
SY	AVL-MSP	AVL	MSP	0	0	0	0	0	0	0	0	-	-	0	0	-	-
SY	MSP-AVL	MSP	AVL	0	0	0	0	0	0	0	0	-	-	0	0	-	-
UA	AVL-DEN	AVL	DEN	7	532	0	0	7	490	7	532	-	-	0	42	0.0%	8.6%
UA	DEN-AVL	DEN	AVL	7	532	0	0	7	490	7	532	-	-	0	42	0.0%	8.6%
UA	AVL-EWR	AVL	EWR	7	350	7	490	7	532	0	(140)	0.0%	(28.6%)	0	(182)	0.0%	(34.2%)
UA	EWR-AVL	EWR	AVL	7	350	7	490	7	532	0	(140)	0.0%	(28.6%)	0	(182)	0.0%	(34.2%)
UA	AVL-ORD	AVL	ORD	14	840	14	882	14	1,002	0	(42)	0.0%	(4.8%)	0	(162)	0.0%	(16.2%)
UA	ORD-AVL	ORD	AVL	14	840	14	882	14	1,002	0	(42)	0.0%	(4.8%)	0	(162)	0.0%	(16.2%)
		Total		**426**	**43,272**	**396**	**40,428**	**406**	**43,522**	**30**	**2,844**	**7.6%**	**7.0%**	**20**	**(250)**	**4.9%**	**(0.6%)**


MONTHLY ENPLANEMENTS
140000
120000
100000
80000
60000
40000
20000
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
2023
2024
2025


WEEKLY SEATS
80000
70000
60000
50000
40000
30000
20000
10000
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
WEEKLY SEATS 2023
WEEKLY SEATS 2024
WEEKLY SEATS 2025


WEEKLY FLIGHT OPERATIONS
700
600
500
400
300
200
100
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
WEEKLY FLIGHT OPERATIONS 2023
WEEKLY FLIGHT OPERATIONS 2024
WEEKLY FLIGHT OPERATIONS 2025

MEMORANDUM

TO: Members of the Airport Authority

FROM: Amy Harris, Chief Financial Officer

DATE: October 17, 2025

ITEM DESCRIPTION – Information Section Item B

Greater Asheville Regional Airport Authority – Explanation of Extraordinary Variances
Month of August 2025

SUMMARY

Operating Revenues for the month of August were $3,264,015, 1.1% over budget. Operating Expenses for the month were $1,487,795, 20.2% under budget. As a result, Net Operating Revenues before Depreciation were $1,776,220. Net Non-Operating Revenues were $187,822.

Year-to-date Operating Revenues were $6,911,978, 1.9% over budget. Year-to-date Operating Expenses were $3,328,693, 23.4% under budget. Year-to-date Net Operating Revenues before Depreciation were $3,583,285. Net Non-Operating Revenues for the year were $439,980.

REVENUES

Significant variations to budget for August were:

Parking	($134,779)	(11.1%)	Slower than expected Hurricane Helene recovery
Ground transportation	$12,526	25.1%	TNC & TURO activity higher than budget
Concessions	$66,553	64.9%	New concessions now open in Terminal Expansion

61 Terminal Drive, Suite 1, Fletcher, NC 28732 | 828.684.2226 | flyavl.com

EXPENSES

Significant variations to budget for August were:

Promotional Activities	($25,655)	(81.9%)	Advertising services under budget
Operating Supplies	($25,855)	(34.8%)	Utilizing supplies on-hand
Contractual Services	($90,816)	(19.7%)	Technology contracts under budget

STATEMENT OF NET ASSETS

Significant variations to prior month were:

Cash and Cash Equivalents – Unrestricted Cash and Cash Equivalents increased by $5.9M due to 2022A bond draws for reimbursement of construction expense.

Grants Receivable – Grants receivable increased by $1.1M due to grant draws for reimbursement of construction expense.

Construction in Progress – Construction in Progress increased by $6.1M mostly due to Terminal Expansion project.

Property and Equipment, Net – Property and Equipment, net decreased by $705.7k due to depreciation.

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ASHEVILLE REGIONAL AIRPORT
STATEMENT OF FINANCIAL POSITION
As of August 31, 2025

	Current Month	Last Month
ASSETS		
Current Assets:		
Unrestricted Net Assets:		
Cash and Cash Equivalents	$63,073,944	$57,144,919
Accounts Receivable	2,544,149	2,221,941
Passenger Facility Charges Receivable	897,803	897,803
Refundable Sales Tax Receivable	2,381,643	2,339,389
Grants Receivable	3,862,784	2,690,300
Prepaid Expenses	14,348,104	14,348,104
GASB 87 Short-term Lease Receivable	2,028,135	2,028,135
Total Unrestricted Assets	89,136,562	81,670,592
Restricted Assets:		
Cash and Cash Equivalents	212,456,061	218,402,456
Total Restricted Assets	212,456,061	218,402,456
Total Current Assets	301,592,623	300,073,048
Noncurrent Assets:		
Construction in Progress	311,365,633	305,297,507
Net Pension Asset - LGERS	(4,028,300)	(4,101,480)
Benefit Payment - OPEB	463,183	527,302
Contributions in Current Year	2,395,843	2,787,406
GASB 87 Long-term Lease Receivable	10,751,976	10,751,976
Property and Equipment - Net	174,379,881	175,085,623
Total Noncurrent Assets	495,328,217	490,348,335
	$796,920,840	$790,421,383
LIABILITIES AND NET ASSETS		
Current Liabilities:		
Payable from Unrestricted Assets		
Accounts Payable & Accrued Liabilities	56,326	74,830
Customer Deposits	119,463	119,463
Unearned Revenue	410,306	124,952
Construction Contract Retainages	13,648,902	13,648,902
Revenue Bond Payable - Current	1,475,000	1,475,000
GASB 87 Short-term Deferred Revenue	2,215,167	2,215,167
Interest Payable	3,187,597	1,593,799
Total Payable from Unrestricted Assets	21,112,761	19,252,113
Total Current Liabilities	21,112,761	19,252,113
Noncurrent Liabilities:		
Pension Deferrals - OPEB	262,131	419,054
Other Postemployment Benefits	1,219,112	1,151,312
Compensated Absences	885,738	807,258
Net Pension Obligation-LEO Special Separation Allowance	981,137	942,674
GASB 87 Long-term Deferred Revenue	9,336,453	9,336,453
Revenue Bond Payable - 2016 - Noncurrent	7,940,000	7,940,000
Revenue Bond Payable - 2022A - Noncurrent	195,745,397	195,745,397
Revenue Bond Payable - 2023 - Noncurrent	187,452,591	187,452,591
Total Noncurrent Liabilities	403,822,559	403,794,739
Total Liabilities	424,935,319	423,046,851
Net Assets:		
Invested in Capital Assets	476,330,514	470,968,131
Restricted	212,456,061	218,402,456
Unrestricted	(316,801,055)	(321,996,055)
Total Net Assets	371,985,520	367,374,532
	$796,920,840	$790,421,383

ASHEVILLE REGIONAL AIRPORT
As of August 31, 2025

Institution:	**Interest Rate**		**Investment Amount**	**Monthly Interest**
Bank of America - Operating Account	2.16%		$ 8,681,220	$ 17,907
NC Capital Management Trust - Cash Portfolio	4.17%	*	54,392,423	194,429
Petty Cash			300	-
Restricted Cash:				
Bank of America - PFC Revenue	2.16%		1,585,919	2,772
NC Capital Mgt Trust - PFC Revenue	4.17%	*	25,782,435	92,160
NC Capital Mgt Trust - 2016 Debt Service Fund	4.17%		296,067	880
NC Capital Mgt Trust - 2022A Construction	4.17%	*	166,667,642	611,410
NC Capital Mgt Trust - 2022A Parity Reserve	4.17%	*	14,935,807	53,389
NC Capital Mgt Trust - 2022A Capitalized Interest	4.17%	*	1,639,794	-
BNY Mellon - 2023 Debt Service	4.17%	*	12,289	-
NC Capital Mgt Trust - 2023 Capitalized Interest	4.17%	*	-	-
NC Capital Mgt Trust - 2023 Debt Service	4.17%	*	1,536,109	119
Total			**$ 275,530,005**	**$ 973,066**

* Interest Rate = 30-day yield at month end

Investment Diversification:	
Banks	4%
NC Capital Management Trust	96%
Commercial Paper	0%
Federal Agencies	0%
US Treasuries	0%
	100%

ASHEVILLE REGIONAL AIRPORT
STATEMENT OF CHANGES IN FINANCIAL POSITION
For the Month August 2025

	Current Month	Previous Month
Cash and Investments Beginning of Period	**$ 275,547,375**	**$ 300,063,241**
Net Income/(Loss) Before Capital Contributions	**1,258,301**	**1,353,481**
Depreciation	**705,742**	**705,742**
Decrease/(Increase) in Receivables	**(1,536,945)**	**15,504,937**
Increase/(Decrease) in Payables	**1,860,648**	**(48,455,799)**
Decrease/(Increase) in Prepaid Expenses	**-**	**-**
Decrease/(Increase) in Fixed Assets	**(6,068,125)**	**(128,794)**
Principal Payments of Bond Maturities	**-**	**(1,475,000)**
Capital Contributions	**3,763,010**	**7,979,567**
Forfeiture Funds	**-**	**-**
Liabilities - Noncurrent		
Increase(Decrease) in Cash	**(17,370)**	**(24,515,866)**
Cash and Investments End of Period	**$ 275,530,006**	**$ 275,547,375**

Income Statement

Through 08/31/25
Summary Listing

Classification	MTD Actual Amount	YTD Actual Amount	YTD Budget Amount	YTD Variance	Annual Budget Amount	Budget Less YTD Actual
Fund Category **Governmental Funds**						
Fund Type **General Fund**						
Fund **10 - General Fund**						
Operating revenues						
Terminal space rentals - non airline	24,473.59	49,175.87	46,012.83	3,163.04	276,077.00	226,901.13
Terminal space rentals - airline	761,654.17	1,613,572.10	1,437,671.73	175,900.37	8,294,260.00	6,680,687.90
Landing fees	363,411.91	752,475.93	686,601.07	65,874.86	3,961,160.00	3,208,684.07
Concessions	169,175.60	472,804.93	197,643.33	275,161.60	1,140,250.00	667,445.07
Auto parking	1,080,220.54	2,288,338.74	2,340,000.00	(51,661.26)	13,500,000.00	11,211,661.26
Rental car - car rentals	483,246.97	980,811.91	868,662.08	112,149.83	5,011,512.00	4,030,700.09
Rental car - facility rent	73,620.68	147,241.36	147,241.33	.03	883,448.00	736,206.64
Commerce ground transportation	62,476.25	138,822.11	96,200.00	42,622.11	555,000.00	416,177.89
FBOs	126,628.47	251,027.23	240,243.50	10,783.73	1,441,461.00	1,190,433.77
Building leases	5,336.26	10,622.13	4,279.50	6,342.63	25,677.00	15,054.87
Land leases	70,364.50	140,694.88	144,855.17	(4,160.29)	869,131.00	728,436.12
Other leases and fees	43,406.46	66,391.42	32,400.33	33,991.09	194,402.00	128,010.58
Operating revenues Totals	$3,264,015.40	$6,911,978.61	$6,241,810.88	$670,167.73	$36,152,378.00	$29,240,399.39
Non-operating revenue and expense						
Customer facility charges	363,423.50	751,322.00	485,333.33	265,988.67	2,800,000.00	2,048,678.00
Passenger facility charges	445,131.14	899,608.09	780,000.00	119,608.09	4,500,000.00	3,600,391.91
Interest revenue	973,065.89	1,976,646.85	800,000.00	1,176,646.85	4,800,000.00	2,823,353.15
Interest expense	(1,593,798.42)	(3,187,596.84)	(3,187,596.83)	(.01)	(19,125,581.00)	(15,937,984.16)
Non-operating revenue and expense Totals	$187,822.11	$439,980.10	($1,122,263.50)	$1,562,243.60	($7,025,581.00)	($7,465,561.10)
Capital contributions	3,763,010.01	11,742,577.01	.00	11,742,577.01	.00	(11,742,577.01)
Operating expenses						
Personnel services	862,192.37	1,622,163.63	2,114,181.92	(492,018.29)	13,728,454.00	12,106,290.37
Professional services	48,963.35	60,151.32	95,889.17	(35,737.85)	575,335.00	515,183.68
Other contractual services	369,926.82	714,858.79	921,485.50	(206,626.71)	5,528,913.00	4,814,054.21
Travel and training	11,932.30	12,740.26	47,542.50	(34,802.24)	285,255.00	272,514.74

Income Statement

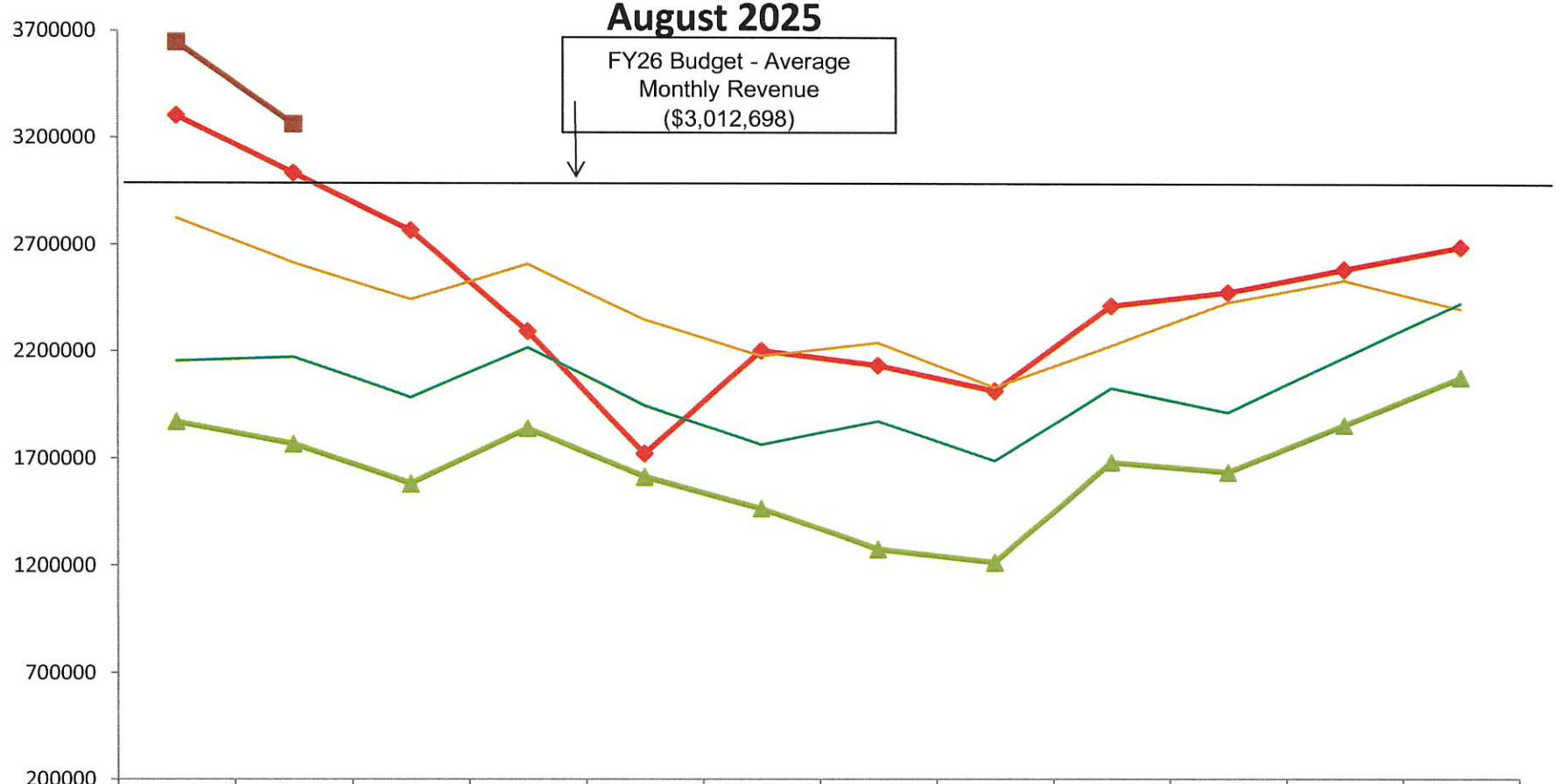
Through 08/31/25

Summary Listing

Classification		MTD Actual Amount	YTD Actual Amount	YTD Budget Amount	YTD Variance	Annual Budget Amount	Budget Less YTD Actual
Communiations		5,416.75	13,476.29	13,900.83	(424.54)	83,405.00	69,928.71
Utility services		88,432.87	84,489.76	90,895.83	(6,406.07)	545,375.00	460,885.24
Rentals and leases		6,090.73	9,590.73	10,751.67	(1,160.94)	64,510.00	54,919.27
Insurance		3,075.00	631,396.33	617,854.40	13,541.93	772,318.00	140,921.67
Advertising, printing and binding		339.68	339.68	2,391.67	(2,051.99)	14,350.00	14,010.32
Promotional activities		5,655.49	15,074.76	62,620.83	(47,546.07)	375,725.00	360,650.24
Other current charges and obligations		5,049.83	8,667.14	16,941.67	(8,274.53)	101,650.00	92,982.86
Operating supplies		48,496.65	88,610.19	148,704.00	(60,093.81)	892,224.00	803,613.81
Publications, subscriptions, memberships, etc.		2,292.26	19,117.26	14,123.17	4,994.09	84,739.00	65,621.74
Repairs and maintenance		26,701.80	40,728.59	77,833.33	(37,104.74)	467,000.00	426,271.41
Small equipment		3,228.71	7,287.72	17,916.67	(10,628.95)	107,500.00	100,212.28
Contingency		.00	.00	16,666.67	(16,666.67)	100,000.00	100,000.00
Emergency repairs		.00	.00	8,333.33	(8,333.33)	50,000.00	50,000.00
Business development		.00	.00	66,666.67	(66,666.67)	400,000.00	400,000.00
	Operating expenses Totals	$1,487,794.61	$3,328,692.45	$3,328,692.45	($1,016,007.37)	$24,176,753.00	$20,848,060.55
Depreciation							
Depreciation		705,742.11	1,411,484.22	.00	1,411,484.22	.00	(1,411,484.22)
	Depreciation Totals	$705,742.11	$1,411,484.22	$0.00	$1,411,484.22	$0.00	($1,411,484.22)
	Grand Totals						
	REVENUE TOTALS	7,214,847.52	19,094,535.72	5,119,547.38	13,974,988.34	29,126,797.00	10,032,261.28
	EXPENSE TOTALS	2,193,536.72	4,740,176.67	3,328,692.45	395,476.85	24,176,753.00	19,436,576.33
	Grand Total Net Gain (Loss)	$5,021,310.80	$14,354,359.05	$1,790,854.93	$13,579,511.49	$4,950,044.00	$9,404,315.05

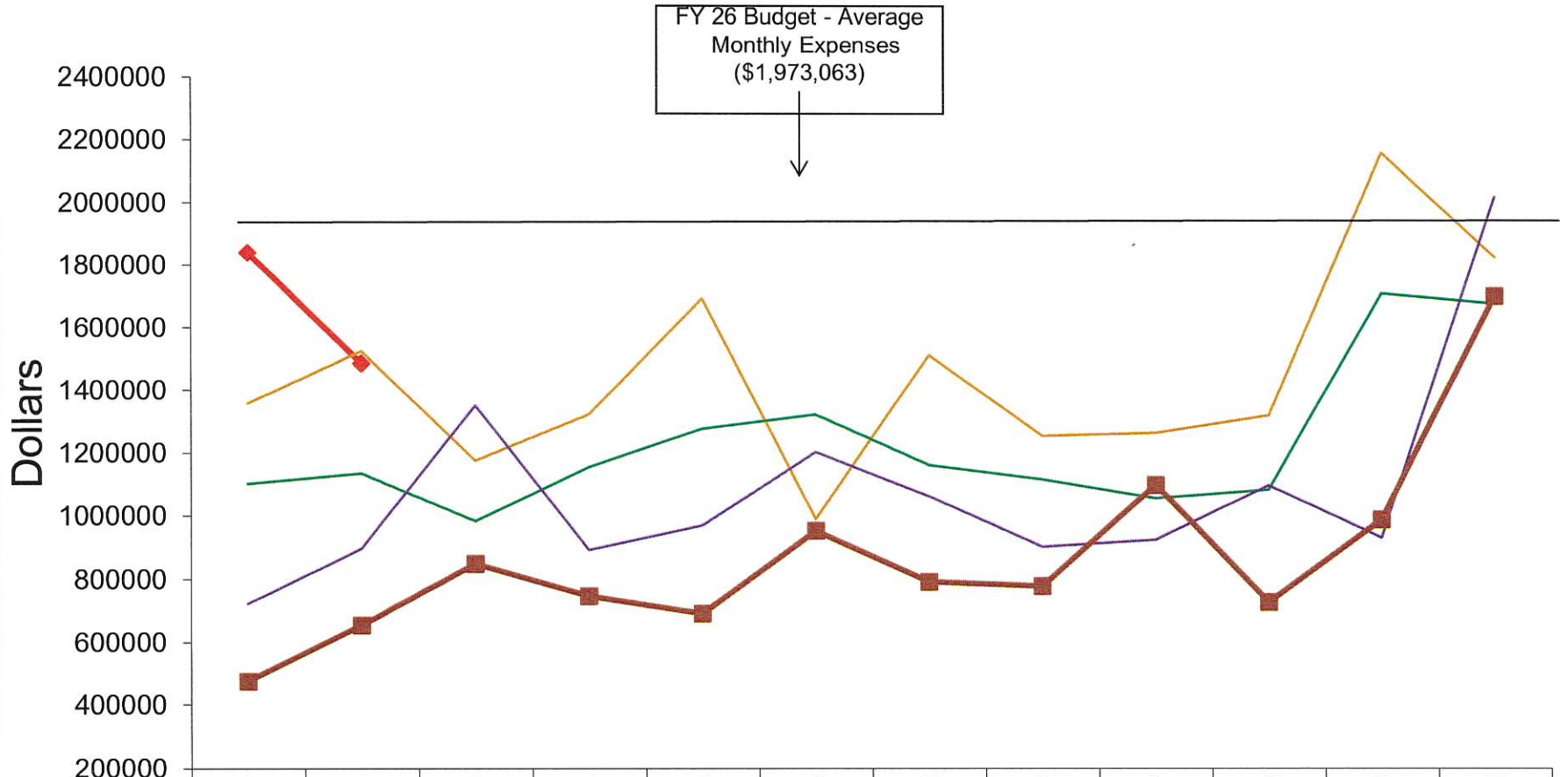
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ASHEVILLE REGIONAL AIRPORT
Annual Operating Revenue by Month
August 2025

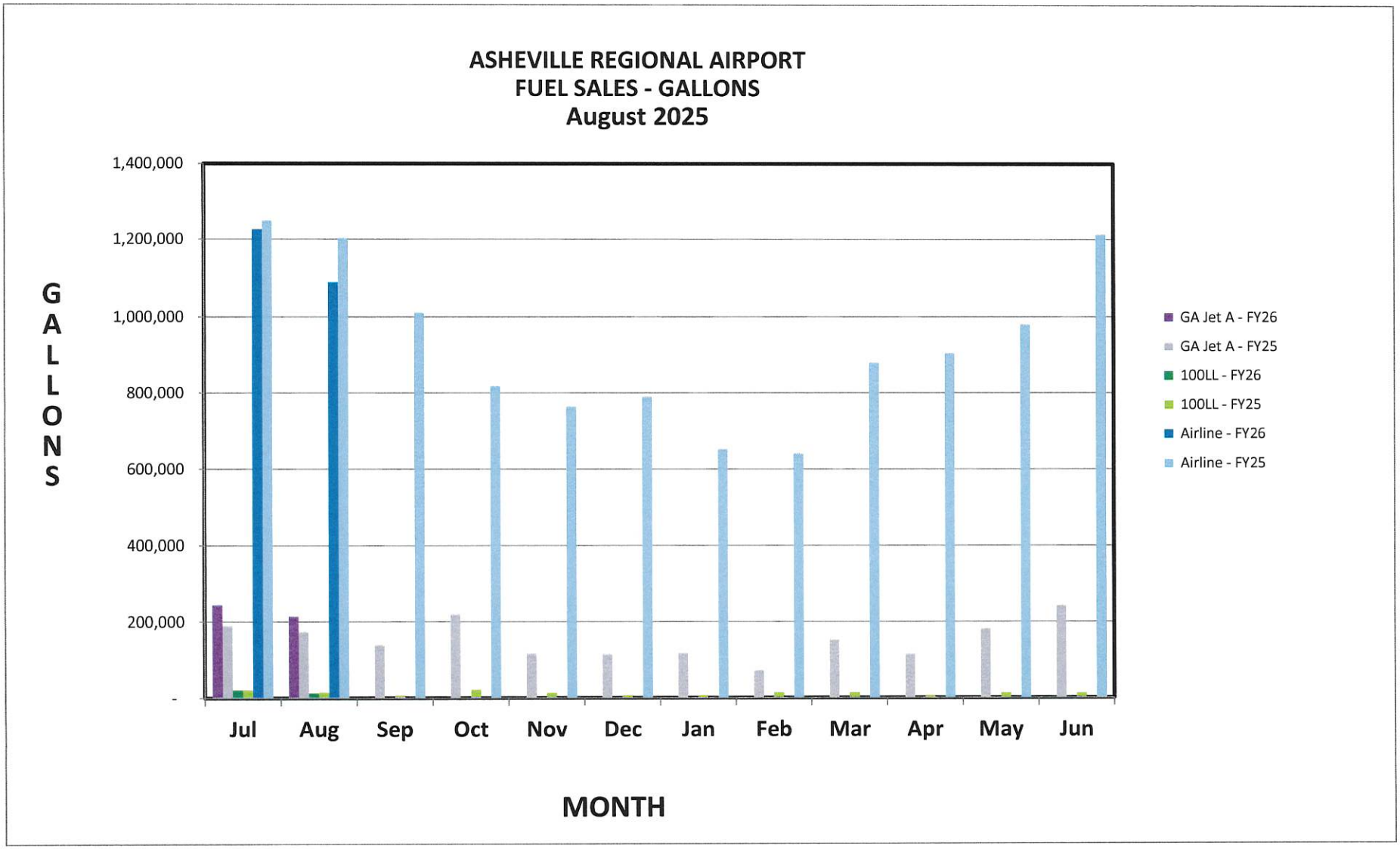


	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
FY26	3647963	3264015										
FY25	3303967	3032969	2768582	2292634	1720983	2201701	2132696	2013186	2414867	2478326	2586018	2690342
FY24	2827482	2615398	2446265	2609082	2349134	2176799	2240605	2031187	2226599	2431758	2535942	2401361
FY23	2151973	2170060	1981276	2215944	1946150	1764811	1874458	1690357	2027726	1915691	2173346	2430077
FY22	1870783	1766994	1582459	1840835	1614185	1467415	1275749	1215598	1682310	1636179	1857453	2079519

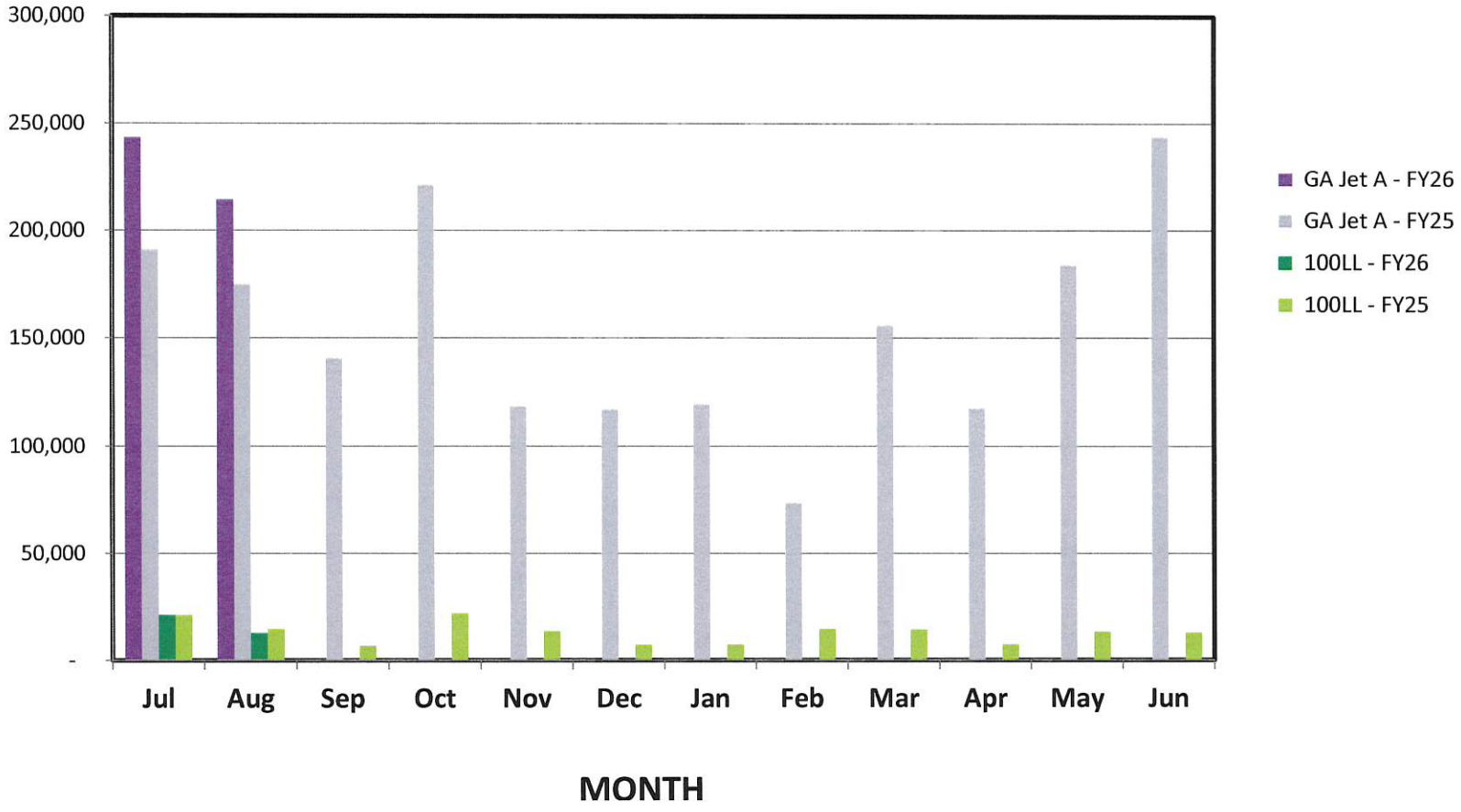
ASHEVILLE REGIONAL AIRPORT
Annual Operating Expenses by Month
August 2025



	1	2	3	4	5	6	7	8	9	10	11	12
FY26	1840898	1487795										
FY25	1359848	1526496	1176297	1324945	1695955	991982	1515101	1256400	1266420	1322820	2166154	1832386
FY24	1103108	1135951	984187	1155931	1277375	1323577	1162760	1118844	1058605	1086390	1714067	1682357
FY23	723941	897398	1352214	894073	970953	1204680	1064287	904765	926762	1100224	934182	2024815
FY22	475489	656101	850419	748420	692984	954472	793428	780593	1101373	730109	991519	1705678


ASHEVILLE REGIONAL AIRPORT
FUEL SALES - GALLONS
August 2025
GALLONS
1,400,000
1,200,000
1,000,000
800,000
600,000
400,000
200,000
-
Jul
Aug
Sep
Oct
Nov
Dec
Jan
Feb
Mar
Apr
May
Jun
MONTH
GA Jet A - FY26
GA Jet A - FY25
100LL - FY26
100LL - FY25
Airline - FY26
Airline - FY25

ASHEVILLE REGIONAL AIRPORT
GENERAL AVIATION FUEL SALES - GALLONS
August 2025



Greater Asheville Regional Airport Authority
Construction Project Report - October 2025

Design Phase

Project Number	Project Name	Project Description	Professional Services Consultant	Professional Services Contract	General Contractor	Original Construction Contract	Change Orders (thru 10/1/2025)	Percent of Original Contract	Board Approved Project Cost	Percent Complete	Expensed to Date (thru 10/1/2025)	Start Date	End Date	Current Project Status (as of 10/1/2025)
1	Terminal Building Renovations	Phase 2 - Terminal Building Modernization Design	Gresham Smith	$12,608,794	N/A	N/A	$8,634,766	60.4%	$21,243,560	88.7%	$18,852,256	Nov-19	Apr-27	CA services continue. Progressing the re-design for Phase 2.
2	Terminal Building Renovations	Program Management Services	Parsons Transportation Group, Inc.	$1,998,796	N/A	N/A	$0	0.0%	$1,998,796	19.4%	$388,487	Jul-23	Dec-27	Project management continues.
3	Air Traffic Control Tower	Design new facility	Pond Company	$4,157,923	N/A	N/A	$872,978	15.9%	$5,030,901	89.9%	$4,522,166	Mar-21	Aug-25	CA services continue.
4	Air Traffic Control Tower	RPR Services	Parsons Transportation Group, Inc.	$385,804	N/A	N/A	$0	0.0%	$385,804	47.4%	$182,984	May-24	Dec-25	Project management continues.
5	Airport Master Plan	Update Current Master Plan	CHA	$989,004	N/A	N/A	$45,547	0.0%	$1,034,551	97.9%	$1,012,561	Jul-21	Aug-25	Received Master Plan approval from FAA. Awaiting FAA approval of ALP. CHA finalizing documents.
6	South Parking Lot	Design and Construction Administration	AVCON	$374,976	N/A	N/A	$80,441	0.0%	$455,417	94.7%	$431,189	Jan-23	Oct-25	CA Services in process.
7	Taxiway A Rehabilitation	Design and Construction Administration	AVCON	$1,129,142	N/A	N/A	$0	0.0%	$1,129,142	56.5%	$637,641	Jun-24	Dec-25	Design team repackaging scope. Advertising re-bid in November.
8	RON Apron	Design and Construction Administration	McFarland Johnson	$408,380	N/A	N/A	$143,260	0.0%	$551,640	64.4%	$355,490	Nov-24	Mar-26	Design team repackaging scope. Advertising re-bid in November.
9	Overlook Parking Lot	Design and Construction Administration	Kimley-Horn	$1,778,149	N/A	N/A	$316,662	0.0%	$2,094,811	52.7%	$1,103,789	Nov-24	Mar-26	Design services continue. Completed 100% plans. Bidding closed 9/30.
10	Parking Garage & Roadway Improvements	Design and Construction Administration	McFarland Johnson	$4,964,318	N/A	N/A	$0	0.0%	$4,964,318	6.8%	$339,537	Mar-25	Mar-27	Planning phase design services progressing. Concept draft report expected end of October.
11	Airport Entrance	Planning & Conceptual Design	McFarland Johnson	$91,275	N/A	N/A	$0	0.0%	$91,275	0.0%	$0	Sep-25	Oct-25	Planning phase is progressing.

Construction Phase

Project Number	Project Name	Project Description	Professional Services Consultant	Professional Services Contract	General Contractor	Original Construction Contract	Change Orders (thru 10/1/2025)	Percent of Original Contract	*Board Approved Project Cost	Percent Complete	Expensed to Date (thru 10/1/2025)	Start Date	End Date	Current Project Status (as of 10/1/2025)
1	Terminal Building Modernization - CMR Construction	CGMP-1 Utilities relocation $6,215,900 CGMP-2 CEP and Equipment Purchase $77,999,756 and CGMP-3 $261,577,165 (Consolidated into one CGMP-3)	Gresham Smith	Construction Cost	Hensel Phelps	$346,881,091	$15,677,586	0.00%	$362,558,677	59.2%	$214,516,545	Jan-22	Apr-27	Airside portion of legacy terminal building closed and demolition begins. Baggage Claim expansion progressing. AVL SRM and ATO SRM completed for tower crane to build Phase 2.
2	Air Traffic Control Tower	Construction of ATCT and Base Building Facility	Pond	Construction Cost	J Kokolakis Contracting	$44,344,052	**$2,663,929	0.00%	$46,561,255	95.5%	$44,455,479	Dec-22	Aug-25	Site landscaping progressing. Cab slat-wall complete. Elevator complete. Exterior metal panels complete. Inspections for TCO by 10/10.
3	South Parking Lot	Construction work including clearing, paving, stormwater pipe and landscaping	AVCON	Construction Cost	Tennoca Construction Company	$8,388,839	$498,205	0.00%	$10,747,282	71.8%	$7,720,522	Jun-23	Oct-25	Pipe, grates, and fencing installation ongoing. ROFA Improvements completing in November.
4	Perimeter Road Paving	Paving and improvements to perimeter road on Westside of airfield.	N/A	Construction Cost	Tarheel Paving	$306,800	$19,600	0.00%	$352,800	92.5%	$326,400	Jul-25	Sep-25	Paving Completed on 8/28. Punchlist & shoulders completed 9/29.
5	ARFF Truck	Class 5 Aircraft Rescue Firefighting Vehicle	N/A	Construction Cost	Rosenbauer Minnesota	$1,320,083	$0	0.00%	$1,320,083	100.0%	$1,320,083	Apr-24	Sep-25	ARFF Truck made to specifications and delivered.

****(CCDs & CO)**

***(bal of approved contract)**

Key strategic priorities

Governance vs. Management : Focus on setting governing direction ("guard rails") for the organizational and holding management accountable for the execution of operational tactics. Pursue continuous educational opportunities for Authority Member development.

1. **Organizational Relevance**: Remaining relevant in an era of airport consolidation
2. **Financial Stewardship**: Sustainability/Operating Performance/Audit & Compliance
3. **Municipal Relations**: Positive relationships with all municipalities surrounding the airport
4. **Stakeholder Relations**: Positive relationships with neighbors and other community organizations
5. **Community Image**: Public Perception/Public Relations/Customer Service/Legal Entity
6. **Facilities Stewardship**: Future Master Facilities Plan
7. **Environmental Stewardship**: Accountability/Awareness of Environmental Issues
8. **Economic Development**: Engage Community Partners/Airline Service Development
9. **Vendor-Partner Relations**: General Aviation/Rental Car Agencies/Vendors
10. **Public Safety**: Airport Emergency Safety/TSA Relations/Municipal Partners
11. **Organizational Accountability**: President & CEO Supervision

Asheville
REGIONAL AIRPORT
Take the easy way out