



BOARD OF AVIATION COMMISSIONERS
Wednesday, February 26, 2025
Elkhart Municipal Airport, First Floor
Administration Building
1211 CR 6 West
Elkhart, IN 46514

Meeting AGENDA

1. Call to Order:
2. Approval of Minutes: January 29, 2025
3. Approval of Claims:
4. Airport Manager's Report:
5. New Business:
 - a. Agriculture lease agreement.
 - b. 3J Mathews Farms agriculture annual lease payment refund.
 - c. NEC conference attendance.
 - d. Traffic counting grant invoice voucher signature.
 - e. Air Traffic Control Tower liability insurance request for quotes & authorization for Airport Director to sign quote specification applications.
 - f. 10-unit T-Hangar construction design release form signature ratification.
 - g. Submission of NPE letter of intent to the FAA & INDOT for Runway 18-36 Pavement Rehabilitation project.
 - h. Approval of Progress Estimate 1 for 10-unit T-Hangar Project to New Tech Construction, \$122,265.00.
6. Privilege of the floor
7. Adjournment
8. **NEXT REGULAR BOAC MEETING 03/26/25 4:00 p.m.**

Rod Roberson
Mayor

Andy Jones
Airport Director

Elkhart Municipal Airport
1211 CR 6 W
Elkhart, Indiana 46514

Maintenance:
574.361.2123

Administration Office:
574.264.5217

BOAC Members

Doug Thorne, President

Bruce Shreiner, V.P.

Tom Shoff, Treasurer

Maggie Marnocha, Secretary

City of Elkhart
Board of Aviation Commissioners Meeting
January 29, 2025

The Board of Aviation Commissioners meeting was called to order by Commissioner Bruce Shreiner at 4:00 pm on Wednesday, January 29, 2025 at the Elkhart Municipal Airport Administration Building, 1211 CR 6 W, Elkhart, Indiana 46514. Commissioner Maggie Marnocha was present. Commissioner Tom Shoff was present via Webex. Also present were: Andy Jones, Karen Shaw, Kevin Davis, Ryan Sherwood, Adam Clawson, Mike Haller & David Sandsmark.

Approval of Minutes:

Mr. Shoff made a MOTION to approve the minutes of the December 23, 2024 meeting. Mrs. Marnocha SECONDED the motion. There being no further discussion, the motion PASSED unanimously.

Approval of Claims:

Mrs. Marnocha made a MOTION to approve claims as submitted for \$21,171.41. Mr. Shoff SECONDED the motion. There being no further discussion, the motion to approve January 2025 claims PASSED unanimously.

Airport Manager's Report:

Andy started off by welcoming new member Maggie Marnocha to the BOAC and everyone is looking forward to working with her. Andy advised that Hangar 39 tenants are exploring the possibility of constructing a new corporate hangar. Andy will keep the board informed as things progress. Andy also advised Wheels Up has expressed a need to perform aircraft deicing on airport property. Andy advised that no airport tenant is currently permitted to perform chemical deicing of aircraft. Currently, aircraft that experience signs of surface ice are placed inside a heated hangar until such time as the pilot is satisfied that the aircraft is ready for flight. Wheels Up has indicated they no longer have the time or space for that process. Andy is seeking legal & environmental advice before suggesting a course of action to the board and Wheels Up. He will keep the board informed of future discussions. Mrs. Marnocha made a suggestion that Andy could speak to Brian Cress, the Regulatory Compliance Manager at Public Works, who may be able to provide valuable information. Kevin Davis with City Legal also advised it is something he will look into.

New Business:

Mr. Shreiner advised the first item under New Business is the 2025 BOAC elections. Andy asked the board to consider nominations for President, Vice President, Secretary, and Treasurer. Mr. Shoff suggested all board members remain in the same positions and made a MOTION to nominate Doug Thorne for President, Bruce Shreiner for Vice President, Mrs. Marnocha for Secretary, and himself for Treasurer. Mrs. Marnocha made a MOTION to AMEND Mr. Shoff's motion and nominated Doug Thorne for President, Bruce Shreiner for Vice-President and Tom Shoff for Treasurer. Mr. Shreiner SECONDED. There being no further discussion, the motion PASSED unanimously. Mr. Shoff made a MOTION to nominate Maggie Marnocha for Secretary. Mr. Shreiner SECONDED. There being no further discussion, the motion PASSED unanimously.

2025 Board Positions stand as:

Doug Thorne – President

Bruce Shreiner – Vice President

Tom Shoff – Treasurer

Maggie Marnocha - Secretary

All subsequent 2025 letterhead, documents & website information will reflect these elections.

City of Elkhart
Board of Aviation Commissioners Meeting
January 29, 2025

Mr. Shreiner advised the next item under New Business is the Airfield Maintenance Manager Snow Symposium Seminar. Andy advised he'd like to send Airfield Maintenance Manager, David Sandsmark to the annual Snow Symposium in Buffalo, NY in April. Andy further advised this is hosted by the American Association of Airport Executives (AAAE) and not only offers numerous airport-related snow & safety classes, but is also a trade show with a multitude of exhibitors. Andy advised that he attended the Symposium and discussed with the vendors all of the options available to the board for the replacement of the existing 2005 snow and ice control broom. The symposium will be extremely beneficial for Mr. Sandsmark and EKM, and advised we have budgeted for educational & travel. Mr. Shoff made a MOTION to approve David Sandsmark to attend the 2025 Snow Symposium. Mrs. Marnocha SECONDED. There being no further discussion, the motion PASSED unanimously.

Mr. Shreiner advised the next item under New Business is the AAAE Airport Safety & Operations School (ASOS) training. Andy advised he attended ASOS training more than 25 years ago. Obviously there have been many improvements in Aviation safety policies and procedures over the years. Andy advised the class is in Hershey, PA. in early March. Mr. Shoff made a MOTION to approve Andy to attend this class. Mrs. Marnocha SECONDED. There being no further discussion, the motion PASSED unanimously.

At 4:20pm, newly elected President Doug Thorne arrived. Vice President Bruce Shreiner, handed the meeting gavel to Mr. Thorne, the meeting continued with Mr. Thorne as chairman.

Mr. Thorne advised the last item under New Business is T-Hangar 35 February lease payment waiver. Andy advised that long-time tenant John Ferguson has been renting T-Hangar 35 for many years. Mr. Ferguson advised Andy several months ago that the process of selling his aircraft was in the works but he could not give us with any certainty the exact date. Mr. Ferguson provided Andy confirmation that the sale was completed just after the February hangar lease invoice was mailed and that he will have all of his property out of the hangar before January 31. Andy advised that our T hangar lease agreements require 30 days advanced notice to vacate. Mr. Ferguson gave sufficient notice, so Andy is asking the board to waive his February payment. Andy further advised that Mr. Ferguson is a good tenant and is currently leasing 2 other T hangars which contain air-worthy aircraft. Councilman Dwight Fish asked if there is a clause in the leases to allow this. Andy advised in the affirmative, that generally a 30-day notice is required, but since we were notified months ago by Mr. Ferguson, this will suffice. Mr. Shreiner made a MOTION to approve the T-Hangar 35 February rent waiver. Mr. Shoff SECONDED. There being no further discussion, the motion PASSED unanimously.

Privilege of the Floor:

Mr. Thorne opened comments. Adam Clawson with Butler, Fairman & Seufert (BF&S) advised the plans from the contractor for the 10-unit T-Hangar project have been approved. Mr. Clawson further advised that due to delays with manufacturer supplies and a back-up of outside airports BIL grant projects, the building will not be delivered until August. Mr. Clawson also advised the contractor believes they should still be able to complete this project by the November deadline. Andy asked if there is a clause in our contract regarding fees for completing this after the deadline. Mr. Clawson advised in the affirmative; however most don't act on this unless egregious circumstances are present. Otherwise, it can set a bad example resulting in future contractors' reluctance to work with you. Mr. Fish asked if we can start advertising the 10-unit T-Hangar project once our digital sign is up and running. Andy answered in the affirmative. The delay will give us more opportunity to take deposits prior to the new hangars being available or occupancy. Andy asked Mr. Clawson if BF&S has received information regarding the recent government executive order for federal grant freezes, and if this impacts FAA grants for EKM. Mr. Clawson advised they don't expect anything to change & don't expect to lose funding, but will keep us informed on further developments. Control Tower manager, Mike Haller advised that the controller we hired in November, Michael Judd is working out well and doing a great job. Mr. Haller further advised that he & Andy interviewed and hired Rashid Badawi, a new controller that just graduated from air

City of Elkhart
Board of Aviation Commissioners Meeting
January 29, 2025

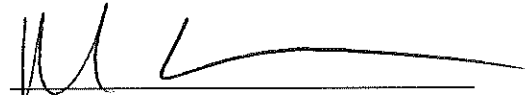
traffic control school in Valdosta, Georgia. Mr. Badawi was a recommendation from Aiden Alt who worked with us for about a year and left for an FAA tower facility. Mr. Haller advised Mr. Alt also graduated from the Valdosta school, and Mr. Alt feels that Mr. Badawi will do well at EKM. Mr. Haller lastly advised that it is possible that when Mr. Badawi has a year or two of experience at EKM, he too may want to move on to an FAA tower facility. Mr. Haller advises he is ok with this.

Adjournment:

Mrs. Marnocha made a MOTION to adjourn. Mr. Shreiner SECONDED. There being no further discussion the meeting was ADJOURNED.

Next regular BOAC meeting is scheduled for Wednesday, February 26, 2025 at 4pm. Location will be the Elkhart Municipal Airport Administration Building, 1211 County Road 6 W., Elkhart, IN 46514 & via Webex.

Respectfully Submitted,



Maggie Marnocha, BOAC Secretary

02.26.2025

Date

BOARD OF AVIATION COMMISSION

CLAIM AND ALLOWANCE DOCKET

I HEREBY CERTIFY THAT EACH OF THE ABOVE LISTED VOUCHERS AND INVOICES OR BILLS ATTACHED THERETO ARE TRUE AND CORRECT AND I HAVE AUDITED SAME IN ACCORDANCE WITH IC 5-11-10-1.6. I ALSO HEREBY CERTIFY THAT THESE VOUCHERS AND INVOICES REPRESENT GOODS AND/OR SERVICES THAT ARE FOR THE BENEFIT OF THE CITY OF ELKHART AND THAT APPROPRIATIONS FOR THESE EXPENDITURES HAVE BEEN DULY MADE OR OTHERWISE AUTHORIZED BY THE CITY COUNCIL AND OTHER APPROPRIATE AUTHORITY.

February 21, 2025



JAMIE ARCE - CITY CONTROLLER

IN RELIANCE ON THE ABOVE CERTIFICATION, CLAIMS IN THE TOTAL AMOUNT OF \$46,804.75 AS LISTED ON THE REGISTER ATTACHED HERETO CONSISTING OF 4 PAGES, ARE HEREBY APPROVED EXCLUDING ANY CLAIMS WITHHELD AS SHOWN ON THE SEPARATE SUMMARY OF PENDING CLAIMS.

EXECUTED THIS 26TH DAY OF FEBRUARY 2025 BY:

PRESIDENT

DOUG THORNE

Absent

VICE PRESIDENT

BRUCE SHREINER

Attended via Webex approved

SECRETARY



MAGGIE MARNOCHA

TREASURER

TOM SHOFF

Attended via Webex approved

MEMBER



Tim REBECK, Proxy

ORIGINAL COPY MUST BE RETAINED IN THE CONTROLLER'S OFFICE



City of Elkhart

Expense Approval Report

By Fund

City of Elkhart

Vendor Name	Payable Number	Post Date	Description (Item)	Account Number	Amount
Fund: 2206 - AVIATION					
AMERICAN ASSOC. OF AIRPO	10893	02/26/2025	Registration for snow symp cl	2206-5-201-4390910	600.00 ✓
Menard, INC	70636	02/26/2025	Bldg materials	2206-5-201-4230110	7.59 ✓
Menard, INC	70645	02/26/2025	Small tools	2206-5-201-4230300	30.98 ✓
Menard, INC	70658	02/26/2025	Bldg materials	2206-5-201-4230110	4.18 ✓
Menard, INC	70713	02/26/2025	Janitorial supplies	2206-5-201-4220310	69.10 ✓
CINTAS CORP.	4219190971	02/26/2025	Uniform cleaning	2206-5-201-4360400	32.89 ✓
Menard, INC	70936-01	02/26/2025	Bldg materials	2206-5-201-4230110	8.34 ✓
Menard, INC	70945	02/26/2025	Paint	2206-5-201-4220170	509.06 ✓
Menard, INC	70956-01	02/26/2025	Bldg materials	2206-5-201-4230110	1.99 ✓
Menard, INC	71000	02/26/2025	Operating supplies	2206-5-201-4220150	87.58 ✓
Menard, INC	71005	02/26/2025	Small tools	2206-5-201-4230300	84.27 ✓
4T DOOR SYSTEMS INC	1508-1J	02/26/2025	2 overhead doors & tracks	2206-5-201-4360100	40,328.00 ✓
Menard, INC	71074	02/26/2025	Bldg materials	2206-5-201-4230110	56.40 ✓
INTERNATIONAL COUNCIL OF	0131.27221	02/26/2025	Annual subsc renewal 4.1.25 l	2206-5-201-4390300	395.00 ✓
HAWKINS WATER TECH, INC	1061388	02/26/2025	Cooler rent for maint dept wa	2206-5-201-4220150	12.50 ✓
AIRCRAFT SERVICE COMPANY,	28170	02/26/2025	Sweatshirts from IFC	2206-5-201-4220150	58.64 ✓
Menard, INC	71135	02/26/2025	Bldg materials	2206-5-201-4230110	38.65 ✓
Menard, INC	71145	02/26/2025	Bldg materials	2206-5-201-4230110	17.83 ✓
CINTAS CORP #2 - FIRST AID &	9306968042	02/26/2025	Eye wash station	2206-5-201-4220320	99.18 ✓
SHOFF SECURITY SERVICES , I	154661	02/26/2025	Alarm monlt maint bldg Feb-	2206-5-201-4360400	208.50 ✓
RICOH USA, INC	5070908511	02/26/2025	Copies for Jan 2025	2206-5-201-4370200	6.05 ✓
AMAZON CAPITAL SERVICES I	1XQT-FTF3-7X4C	02/26/2025	Small tools & operating suppli	2206-5-201-4220150	69.82 ✓
AMAZON CAPITAL SERVICES I	1XQT-FTF3-7X4C	02/26/2025	Small tools & operating suppli	2206-5-201-4230300	54.99 ✓
PAXTON MEDIA GROUP	March2025	02/26/2025	Acct # 1058508 Elk Airport an	2206-5-201-4390300	207.00 ✓
CINTAS CORP.	4219930051	02/26/2025	Uniform cleaning	2206-5-201-4360400	32.89 ✓
Menard, INC	71380-01	02/26/2025	Bldg materials	2206-5-201-4230110	3.29 ✓
Menard, INC	71445	02/26/2025	Bldg materials	2206-5-201-4230110	46.01 ✓
ANDREW K. JONES	020825	02/26/2025	Emp reimb, items for pilot's lo	2206-5-201-4220150	43.98 ✓
AMAZON CAPITAL SERVICES I	1P1Q-RQT7-WLTN	02/26/2025	Operating supplies for airfield	2206-5-201-4220150	854.33 ✓
CINTAS CORP.	4220645516	02/26/2025	Uniform cleaning	2206-5-201-4360400	32.89 ✓
Menard, INC	71799	02/26/2025	Tow straps for maint vehicles	2206-5-201-4220250	59.98 ✓
Menard, INC	71819	02/26/2025	Bldg materials	2206-5-201-4230110	36.65 ✓
CINTAS CORP #2 - FIRST AID &	5254061606	02/26/2025	1st aid kit refills	2206-5-201-4220320	29.97 ✓
Menard, INC	71868	02/26/2025	Ice melts for airport parking l	2206-5-201-4220150	32.96 ✓
Menard, INC	71962	02/26/2025	Small tools	2206-5-201-4230300	10.48 ✓
CINTAS CORP.	4221391332	02/26/2025	Uniform cleaning	2206-5-201-4360400	32.89 ✓
KAREN SHAW	022025	02/26/2025	Mileage for travel to city bldg	2206-5-201-4320300	35.35 ✓
Fund 2206 - AVIATION Total:					44,240.21
Grand Total:					44,240.21

Fund Summary

Fund	Expense Amount
2206 - AVIATION	44,240.21
Grand Total:	<u>44,240.21</u>

Account Summary

Account Number	Account Name	Expense Amount
2206-5-201-4220150	Operating Supplies	1,159.81
2206-5-201-4220170	Paint	509.06
2206-5-201-4220250	Other Garage & Motor S	59.98
2206-5-201-4220310	Household, Laundry, & C	69.10
2206-5-201-4220320	Medical, Surgical	129.15
2206-5-201-4230110	Building Materials	220.93
2206-5-201-4230300	Small Tools & Mlnor Equ	180.72
2206-5-201-4320300	Travel	35.35
2206-5-201-4360100	Repairs & Maint - Bldg	40,328.00
2206-5-201-4360400	Maintenance Contract	340.06
2206-5-201-4370200	Equipment Leases	6.05
2206-5-201-4390300	Subscriptions	602.00
2206-5-201-4390910	Education	600.00
Grand Total:		<u>44,240.21</u>

Project Account Summary

Project Account Key	Expense Amount
None	44,240.21
Grand Total:	<u>44,240.21</u>



City of Elkhart

City of Elkhart

Expense Approval Report

By Fund

Payment Dates 1/25/2025 - 2/20/2025

Vendor Name	Payable Number	Post Date	Description (Item)	Account Number	Amount
Fund: 2206 - AVIATION					
NORTHERN INDIANA PUBLIC S	INV0006719	02/14/2025	6440000093 1211 CR 6W	2206-5-201-4350200	1,865.61 ✓
COMCAST CABLE	INV0006720	02/14/2025	8771402050907961 1211 C	2206-5-201-4320400	208.88 ✓
NORTHERN INDIANA PUBLIC S	INV0006724	02/14/2025	7375580016 1321 CR 6W	2206-5-201-4350200	277.71 ✓
ELKHART PUBLIC UTILITIES	INV0006721	02/14/2025	1203336003 1211 CR 6W	2206-5-201-4350400	64.26 ✓
ELKHART PUBLIC UTILITIES	INV0006722	02/14/2025	1203335600 1139 CR 6W	2206-5-201-4350400	62.59 ✓
ELKHART PUBLIC UTILITIES	INV0006723	02/14/2025	1203335800 1205 CR 6W, 2	2206-5-201-4350400	10.85 ✓
COMCAST CABLE	INV0006725	02/14/2025	8771402050907656 1139 C	2206-5-201-4320400	74.64 ✓
Fund 2206 - AVIATION Total:					2,564.54
Grand Total:					2,564.54

Feb

Comcast Cable - 208.88 ✓

Comcast POTS - 74.64 ✓

Phone bill - 307.35 ✓

Maint Cell - 82.24 ✓

E Fax - 4.14 ✓

Jan - 4.14 - eFax

307.35 - phone

Cell - 82.24

Report Summary

Fund Summary

Fund	Payment Amount
2206 - AVIATION	2,564.54
Grand Total:	<u>2,564.54</u>

Account Summary

Account Number	Account Name	Payment Amount
2206-5-201-4320400	Telephone & Communic	283.52
2206-5-201-4350200	Natural Gas	2,143.32
2206-5-201-4350400	Water & Sewer	137.70
Grand Total:		<u>2,564.54</u>

Project Account Summary

Project Account Key	Payment Amount
None	2,564.54
Grand Total:	<u>2,564.54</u>



City of Elkhart, Indiana
the city with a heart



MEMORANDUM

DATE: February 26, 2025
TO: The Board of Aviation Commissioners
FROM: Andy Jones, Airport Director
RE: Agricultural lease agreement

The Elkhart Municipal Airport has 125 acres of agriculture farmland available for lease. The BOAC approved quote specifications and authorized the airport manager to get quotes. The most responsive quote was from Gregory Horein (Horein Farm, LLC). I am requesting BOAC approval of the agriculture lease agreement between EKM & Mr. Horein for the term period of March 1, 2025 to March 1, 2029. This agreement was drafted and approved by the City Legal Department. I am also requesting the BOAC sign this agreement.

Thank you,

Andy Jones
Airport Director

I ask the Board of Aviation Commissioners to approve the agriculture lease agreement between EKM & Gregory Horein and I also ask for the BOAC signatures on this agreement.

Date 02-26-25
Approved by City of Elkhart
Board of Aviation Commissioners

Airport Farmland Lease Agreement

This Farm Lease and Security Agreement (“Lease”) is entered into by and between The City of Elkhart by and through its Board of Aviation Commissioners (BOAC) located at 229 S. Second Street, Elkhart, IN 46516 (collectively referred to herein as the “LESSOR”), and Gregory Horein, (Horein Farm, LLC) (hereinafter referred to as “LESSEE”) located at 63869 CR 15, Goshen, IN 46526.

WITNESSETH:

In consideration of the rents, covenants, and agreements hereinafter set forth, BOAC and LESSEE hereby agree as follows:

1. Definitions. For the purpose of this Lease Agreement, the following definitions shall apply:
 - a. "Airport" is defined as the Elkhart Municipal Airport.
 - b. "Federal Aviation Administration" is defined as the Federal Aviation Administration created by the Federal Government under the Civil Aeronautics Act of 1983, as amended, or any other agency or agencies of the federal government having from time to time, jurisdiction over the operations of Airport and of Air Taxi Operators.
 - c. "Minimum Standards" shall be defined as the Minimum Standards for Commercial Activity adopted by the Board of Aviation Commissioners, as amended from time to time.
 - d. "Airport Director" is defined as the Director of the Elkhart Municipal Airport as appointed by the City of Elkhart.
 - e. "USDA" is the United States Department of Agriculture, defined as the United States Department of Agriculture as created through the Morrill Act of 1890, as amended, or any other agency or agencies of the federal government having from time to time, jurisdiction over agricultural trade and production.
 - f. "EPA" is defined as the Environmental Protection Agency, defined as the environmental agency as created by the Presidential Reorganization Plan No. 3 of December 2, 1970, or any other agency or agencies of the federal government having from time to time, jurisdiction over the enforcement of federal environmental protection laws.
 - g. "CROPS" is defined as soybeans.
2. Leased Premises. BOAC hereby leases to LESSEE, and LESSEE hereby leases from BOAC, real estate located at the Airport, consisting of approximately 125 acres, and shown and described in "EXHIBIT A", attached hereto, such real estate herein referred to as the "premises" which will be physically marked by airport personnel. LESSOR does not grant LESSEE rights to hunt, trap or otherwise take game upon the Premises, all of which rights (including the right to Lease) are reserved to the LESSOR, its successors and assigns.
3. Term. The term of this Lease shall begin on March 1, 2025 and shall end on March 1, 2029 without notice required of the LESSOR, unless expressly required by applicable state law.

However, the LESSOR may terminate this Lease at any time upon LESSEE's failure to timely pay the full amount of any rent due hereunder.

4. Rent. LESSEE agrees to pay, and BOAC agrees to accept, as the annual rent for the premises, the sum of Two Hundred and no/100 Dollars (~~\$100.00~~^{\$200.00 (KS)}) per acre for a total of Twenty-Five Thousand and no/100 Dollars (\$25,000.00); such annual rental amount shall be paid by LESSEE in full on or before December 31 of each growing season commencing with December 31, 2025. Payment shall be made to the BOAC at the Office of the City Controller, Municipal Building, 229 South Second Street, Elkhart, Indiana 46516, or at such other place or places as the BOAC may hereafter designate in writing.

5. Covenants of BOAC. BOAC covenants and agrees as follows:

a. BOAC covenants and agrees that so long as LESSEE is not in default in the performance of any of the conditions, payments, and provisions hereof to be made by it; LESSEE may peaceably hold and enjoy the possession of the premises for the sole purpose of planting and harvesting crops.

6. Covenants of LESSEE. LESSEE covenants and agrees as follows:

a. LESSEE shall pay the rent for the premises as herein stated at the time and in the manner herein stated, together with all other sums owing by LESSEE to BOAC pursuant to the terms of this Lease, and all costs and expenses caused by the nonpayment thereof, or by the default by LESSEE in the performance of any of the terms of this Lease, including without limitation reasonable attorney's fees and costs of collection.

b. LESSEE shall make, at its costs and expenses, all repairs necessary for the proper maintenance and repair of the premises, and upon the termination of this Lease by lapse of time or otherwise, LESSEE will peaceably yield up possession of the premises to BOAC in as good condition and repair as the premises were in at the time LESSEE took possession, loss by fire, lightning, windstorm, and ordinary wear and tear excepted.

c. LESSEE shall not assign this Lease nor sublet the premises nor assign or transfer any option or right granted to it by this Lease without obtaining the prior written consent of BOAC. For the purposes of this section, an assignment of this Lease shall be deemed to have taken place when all or substantially all of the agricultural operations are performed by hired labor or by one more third parties hired by the LESSEE to perform agricultural operations on a custom basis.

d. LESSEE shall obey and comply with all rules and regulations promulgated by any governmental authority for the care, operation, and maintenance and protection of the Airport. Further, LESSEE shall solely conduct and carry on its business in the premises in a manner that the reputation of the Airport and premises shall not be injured, and shall comply, at its own cost and expense, with all federal, state, and local laws, rules, and regulations including Elkhart County and the City of Elkhart.

e. LESSEE shall not make any changes, alterations, or additions to the premises without first having obtained the written consent of BOAC. If any alterations, changes, or additions are permitted by BOAC to be made, then the same shall forthwith be and become a part of the leased premises and belong absolutely to BOAC and not subject to removal, change, or destruction by LESSEE. In no event shall LESSEE make changes to the premises that would create or maintain an attractive nuisance.

f. LESSEE shall procure and maintain at its expense throughout the term of this Lease, policies of insurance with a responsible company or companies approved by BOAC, indemnifying and protecting BOAC and LESSEE against loss, claims, actions, suits for damage or damages, including exemplary or punitive damages, claimed to be directly or indirectly, in whole or in part, due to the condition of the premises or due to any act, omission, or neglect of LESSEE or any agent, employee, or officer of LESSEE. Such insurance shall have maximum coverage limits as may be mutually agreed between BOAC and LESSEE, and the City of Elkhart shall be named as an insured on the policy; but, in no event shall the limits thereof be less than \$1,000,000.00 for bodily injury to any one person, \$1,000,000.00 for bodily injury in the aggregate, and \$1,000,000.00 for damage to premises.

g. If, at any time during the term of this Lease or any renewal or extension thereof, BOAC deems it necessary to use a portion of the premises for the general purposes of the Airport, BOAC shall give notice to LESSEE in writing, and LESSEE shall promptly vacate, no later than fourteen (14) days after receipt of said notice, any portion of the premises so designated by BOAC in the notice. In the event a portion of the premises is abated pursuant to this paragraph before the crops thereon have been harvested, rentals herein shall be abated by an amount equal to the cost of seed and fertilizer used by LESSEE on the portion of the premises abated. LESSEE must provide receipts for the seed and fertilizer used for the affected portion of the premises.

h. That BOAC, the Airport Director, and designated representatives of the BOAC shall have the right to enter upon the premises at all reasonable times for the purpose of examining, exhibiting, repairing, altering, or making additions to the premises.

i. Except for claims resulting solely from the negligence of BOAC, LESSEE shall indemnify and defend BOAC and the premises, at the expense of LESSEE, against any and all claims, expenses, and liabilities arising from the management and possession of any of the premises leased hereunder, or any occurrence on or about such premises, or any default by LESSEE hereunder, or any act or negligence of LESSEE or its agents, employees, licensees, or invitees.

j. BOAC shall not be liable for any injuries to the premises or person of LESSEE or LESSEE's agents at the premises during the term of this Lease.

k. LESSEE shall comply with all federal, state and local health, safety and environmental regulations during the term of this Lease. By signing this Lease Agreement, the signatory hereby covenants and represents that said signatory is the owner/operator of LESSEE

and is vested with proper authority to enter into this agreement and bind LESSEE to the terms of this contract.

l. No crops shall be raised within two hundred feet of the edge of any runway, or within one hundred feet of the edge of any taxiway at the Airport.

m. Notwithstanding the above, LESSEE shall not plant or raise any crop on the premises that will exceed a height of thirty-six inches at full growth.

7. Default. If the rent shall at any time be in arrears and unpaid, and without any demand being made therefor; or if LESSEE shall fail to keep or to perform any of the covenants, agreements, or conditions of this Lease to be performed by LESSEE, and such default is not cured within thirty (30) days after written notice from BOAC setting forth the nature of such default; or if LESSEE shall be adjudged bankrupt, or shall make an assignment for the benefit of creditors, or if the interest of LESSEE hereunder shall be sold under execution or other legal process, or if LESSEE shall file a voluntary petition in bankruptcy, or shall be placed in the hands of a receiver, it shall be lawful for BOAC, their successors or assigns, without notice or process of law, to enter into said premises, and again have, repossess, and enjoy the same as if this Lease had not been made, and thereupon this Lease and everything herein contained on the part of BOAC to be done and performed shall cease, terminate, and be utterly void, all at the election of BOAC; without prejudice, however, to the right of BOAC to recover from LESSEE, or its successors or assigns, all rent or other amounts due up to the time of such entry. In the case of any default and entry by BOAC, BOAC may relet the premises for the remainder of said term for the highest rent obtainable and may recover from LESSEE any deficiency between the amount so obtained, and the rent hereinabove reserved. Failure on the part of BOAC to avail itself of any right or remedy hereunder shall not constitute a waiver thereof as to any future default or breach by LESSEE, or its successors or assigns.

8. Care of Premises. LESSEE agrees to cultivate and otherwise operate the Premises in a professional workmanlike manner, and in accordance with generally recognized and approved agricultural practices. LESSEE agrees to operate the Premises in conformity with appropriate soil and water conservation practices, and in such a way as to maintain and if possible, enhance soil productivity. LESSEE agrees to operate the Premises in conformity with all required or applicable conservation plans or programs, including but not limited to those subject to the jurisdiction of USDA and EPA and their related agencies; and keep the Premises clean and free of trash, rubbish, refuse, dead animals and waste.

9. Environmental Compliance. LESSEE warrants that they are knowledgeable of the Federal, State and Local laws and regulations pertaining to the operation of the Premises with regard to matters of environmental compliance, and the protection and preservation of soil, water and other natural resources. LESSEE warrants that they will operate the Premises in full compliance with all such laws, and will notify LESSOR immediately of any accidents, problems, conditions or occurrences on the Premises which may threaten compliance with such laws or regulations, or which may result in liability or damage being imposed upon the Agent or the Premises Owner.

LESSEE warrants that all fertilizers, agricultural chemicals, petroleum products and hazardous or toxic wastes or substances in, on, or affecting the Premises will be handled, used, stored, contained, transported, applied, removed and/or disposed of in accordance with all applicable laws, regulations, manufacturer's directions and labeling. LESSEE acknowledges that they are knowledgeable of the Worker Protection Standard adopted by EPA and warrants that they will see that the requirements of the Standard are adhered to regarding the use and application of agricultural chemicals on the Premises. LESSEE agrees to complete any Environmental Questionnaires or other requests for environmental information solicited by LESSOR.

10. Machinery and Equipment. LESSEE shall be responsible for providing the machinery and equipment necessary for planting, cultivating and harvesting the crops, and for any other agricultural operations incidental to operating the Premises covered by this Lease. All costs of purchasing, renting, leasing, and operating the machinery and equipment, including the cost of custom operations, shall be paid by LESSEE, except as otherwise specified herein.

11. Weed Control. LESSEE agrees to keep the cultivated areas clean and free from weeds and further agrees to cut or spray weeds, trees and shrubs growing in the fence rows and non-crop areas, as are necessary to keep these areas neat and presentable. All costs involved in controlling weeds shall be paid by LESSEE except as otherwise specified herein. LESSEE agrees to mow the premises as often as necessary to present a neat appearance or as directed by LESSOR.

12. Insect and Disease Control. LESSEE agrees to carry out all approved practices for the control and eradication of crop insects, pests and diseases, as may be necessary, at his own cost, unless otherwise specified herein, or in writing by LESSOR.

13. Fertilizers, Lime and Manure: LESSEE agrees to haul out and distribute, as agreed with LESSOR, any manure and/or compost suitable to be used, and to apply at the proper time and in the proper manner all fertilizers and agricultural lime. Further, LESSEE will, upon request, provide LESSOR with receipts, sale tickets, application records, and other documentation showing the use or application of all agricultural chemicals to which state, federal or local record keeping requirements apply. LESSEE shall be responsible for all costs of purchasing, transporting, and applying manure, fertilizers, and agricultural lime, except as otherwise agreed herein or in writing by LESSOR.

14. Crop Handling. LESSEE shall be responsible for the costs of handling crops raised on the Premises, unless otherwise agreed herein or in writing by LESSOR. For purposes of this paragraph, "handling" shall include, but shall not be limited to placing crops in storage facilities located on the Premises, hauling to a grain elevator or other facility selected by LESSOR, and such other handling services as required from time to time by LESSOR.

15. Improvements. LESSEE agrees to perform ordinary maintenance tasks and will otherwise properly maintain all improvements on the Premises and shall yield them up to LESSOR at the end of the Lease term in as good order and condition as at the beginning thereof, normal wear and

tear excepted. LESSOR further agrees to provide labor and to haul such materials as may be necessary for said maintenance, and to provide the labor and materials necessary to make minor repairs to said improvements that are or may be due as a result of ordinary wear and tear. LESSEE shall be solely responsible for the cost of making repairs to improvements which have been damaged or destroyed because of LESSEE's failure to maintain, or otherwise because of LESSEE's neglect, abuse, negligence, or lack of attention. It is mutually understood and agreed that LESSOR shall not be obligated to replace any improvements lost or destroyed, regardless of whether or not such loss was covered by insurance.

16. Expiration. Upon expiration of the term of this Lease, or upon termination of the Lease prior to expiration of the term, LESSEE covenants and agrees as follows: a) LESSEE will promptly surrender possession of the Premises to LESSOR or its designee in as good order and condition as when the same was entered upon by LESSEE, loss by fire, acts of God, or ordinary wear and tear excepted; b) LESSEE will, prior to the expiration or termination date, remove all of its grain, farm equipment, tools, supplies, rubbish, and personal property of all type and description from the Premises at its own cost and expense; c) If LESSEE should fail to deliver possession of the Premises to LESSOR or otherwise fails to comply with the terms of this Paragraph, LESSOR may at its option, take such action as required by local law to obtain possession of the Premises and to remove LESSEE's personal property, at LESSEE's sole cost and expense, or charge LESSEE liquidated damages in the amount of \$100 per day until possession has been delivered and LESSEE's personal property has been removed, it being agreed that it would be difficult to determine the actual amount of damages that may be suffered by LESSOR by reason of LESSEE's failure to yield possession.

17. Binding on Heirs. Except as provided in Paragraph ____, and except as may be mutually agreed by the parties, the provisions of this Lease shall be binding upon the heirs, executors, administrators, and successors of both LESSOR and LESSEE in like manner as upon the original parties. The rights referred to herein shall not include subleasing or assignment as set forth above.

18. Partnership Not Created: This Lease should not be construed as giving rise to a partnership, and neither party shall be liable for debts or obligations of the other without written consent, and LESSEE has no authority to incur any obligation on behalf of LESSOR or AGENT.

19. Notices: Except as otherwise expressly provided by law, any and all notices or communications required or permitted by this Lease or by law to be served on or given to either party hereto by the other party shall be in writing and shall be deemed to be duly served and given when personally delivered, or deposited in the United States Mail, First Class, postage pre-paid, addressed to the party at the address below:

City of Elkhart
Board of Aviation Commissioners
229 S. Second Street
Elkhart, IN 46516
Email: legal@coei.org
Fax: 574-522-6794

Horein Farm, LLC

Gregory Horein

63869 CR 15

Goshen, IN 46526

Email: g1toyman@gmail.com Horein Farms llc@gmail.com

Phone: 574-286-4767

20. Oil, Gas and Minerals: This Lease is subject to all oil, gas or mineral Leases heretofore or hereafter executed by LESSOR or its agents. LESSEE agrees to allowing exploration companies to enter upon the Premises and make such exploration and drilling as may be proper at any time upon agreement by the exploration companies to pay for all damages to growing crops of LESSEE and growing crops and Premises of LESSOR. Upon request, LESSEE shall be notified by LESSOR of known or anticipated oil, gas or mineral exploration activity.

21. Entire Agreement. There are no representations, covenants, warranties, promises, agreements, conditions, or undertakings, oral or written, between BOAC and LESSEE other than herein set forth. Except as herein otherwise provided, no subsequent alteration, amendment, change, or addition to this Lease shall be binding upon BOAC or LESSEE unless in writing and signed by them.


22. Attorney's Fees. Each party hereto agrees to pay the reasonable attorney's fees of the substantially prevailing party incurred in enforcing the terms of this Lease in the event of a violation of the terms or covenants herein contained.

23. Applicable Law. This Lease shall be construed in accordance with the laws of the State of Indiana, Elkhart County and shall be binding upon the parties hereto and upon their respective successors or assigns.

24. Ordinance No. 4101. If, at any point in time during the term of this Lease, LESSEE is in violation of certain City Ordinances in the manner described at subsection 2(A)(1) through (5) of Elkhart City Ordinance No. 4101, such violation shall be a material breach of this Lease. Ordinance 4101 is attached hereto as "Exhibit B".

IN WITNESS WHEREOF, BOAC has executed this Lease Agreement, in multiple counterparts, each of which is deemed to be an original, this 26 day of February 2025.

CITY OF ELKHART, INDIANA by its
BOARD OF AVIATION COMMISSIONERS

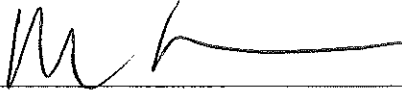
 , Proxy

~~Douglas Thorne, President~~

Timothy REEBER, Proxy

Bruce Shreiner, Vice President

Tom Shoff, Treasurer



Maggie Marnocha, Secretary

LESSEE

Gregory Horein

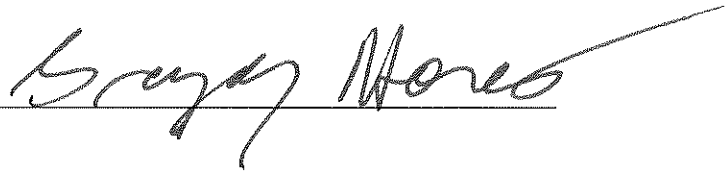


EXHIBIT A

Will Provide Exhibit
A (Farm Map)
when completed
after Survey

EXHIBIT B

ORDINANCE NO. 4101

AN ORDINANCE PROHIBITING CONTRACTS WITH ENTITIES
OR INDIVIDUALS WHO ARE CURRENTLY IN VIOLATION
OF ANY CITY OF ELKHART ORDINANCE, AS DETERMINED
BY A JUDICIAL AUTHORITY

WHEREAS, it would be in the best interest of the City of Elkhart, Indiana to encourage any person or entity which is a party or will be a party to a contract with the City of Elkhart that has been found to be in violation of certain City ordinances to take action necessary to come into compliance with such ordinances; and

NOW, THEREFORE, BE IT ORDAINED BY THE COMMON COUNCIL OF THE CITY OF ELKHART, INDIANA:

Section 1. Definitions. For the purpose of this ordinance, the following ordinances shall be collectively referred to as the "City Ordinances":

- a) Ordinance No. 4097, as amended, the Sewer Use and Rate Ordinance of the City of Elkhart;
- b) Ordinance No. 3146, as amended, the Zoning Ordinance of the City of Elkhart;
- c) Ordinance No. 3446, as amended;
- d) Ordinance No. 3488, as amended;
- e) Ordinance No. 3648, as amended, the Building Code of the City of Elkhart, Indiana;
- f) Ordinance No. 3897, the Unsafe Building Code;
- g) Ordinance No. 3943, the Heating, Ventilation and Air Conditioning and Refrigeration Ordinance of the City of Elkhart;
- h) Ordinance No. 2420, as amended;
- i) Ordinance No. 1453.

Section 2. Contract Requirements. A. Except as otherwise prohibited by law, a person or entity may not enter into a

constructual arrangement with the City of Elkhart when such person or entity has:

1) been adjudged by any State, Circuit, County, Superior, City Court, or any Federal Court, herein the "Courts", to have violated any of the City Ordinances;

or

2) has paid a fine for the violation of any of the City Ordinances;

or

3) entered a formal admission of a violation of any of the City Ordinances;

or

4) ,after required notice and opportunity to comply, been determined to be in violation of any of the ordinances by a hearing or enforcement authority that is authorized by Indiana statute to make a final determination of such ordinance violation, after due process notice and opportunity are given to the person or entity; and

5) after any of the events described at subsections A1, A2, A3 or A4 have occurred, the action or circumstances or condition that caused the ordinance violation have not been brought into compliance with the subject ordinance, and if brought into compliance, has lapsed into noncompliance at the time of the contract or submission of contract bids or offers.


(B). To the extent allowable by law, all City specifications for public contracts shall include a requirement that the bidder shall not be in violation of any of the City Ordinances, as described at subsection 2A(1) through (5).

Section 3. Every contract entered into by the City of Elkhart shall include a provision which states that the person or entity which is contracting with the City must not be in

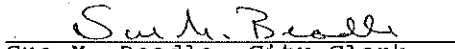
violation of any of the City Ordinances, as described at subsection 2A (1) through (5). Such a violation shall be a material breach of the subject contract.

Section 4. This Ordinance shall be in full force and effect from and after its passage, approval by the Mayor and its legal publication according to law.

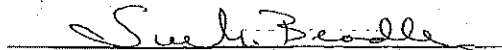
ORDAINED THIS 5th DAY OF April 1993.


Ann M. Kalman, President of
the Common Council

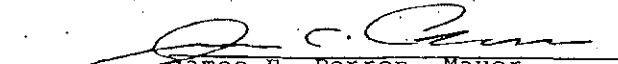
ATTEST:


Sue M. Beadle, City Clerk

Presented to the Mayor by me this 7th day of April 1993.


Sue M. Beadle, City Clerk

Approved by me this 7th day of April 1993.


James P. Perron, Mayor

ATTEST:


Sue M. Beadle, City Clerk



City of Elkhart, Indiana
the city with a heart



MEMORANDUM

DATE: 02/26/25

TO: The Board of Aviation Commissioners

FROM: Andy Jones, Airport Director

RE: 3J Family Farm agriculture lease expiration, non-renewal & refund

The current agriculture lease with 3J Family Farm expired on December 31, 2024. After quote specifications were sent out, 3J Family Farm has opted to not submit a quote; however, they made an annual payment after being invoiced for the 2025 season and are therefore due a refund. I ask the BOAC to authorize a refund of \$12,500.

Thank you,

Andy Jones
Andy Jones
Airport Director

I ask the Board of Aviation Commissioners to authorize a refund of \$12,500 to 3J Family Farm.

Date 02.26.25
Approved by City of Elkhart
Board of Aviation Commissioners

[Signature]



City of Elkhart, Indiana
the city with a heart

MEMORANDUM

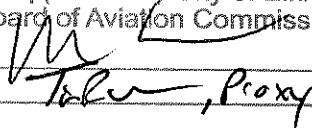
DATE: 02/26/25
TO: The Board of Aviation Commissioners
FROM: Andy Jones, Airport Director
RE: Travel to AAAE NEC Annual Airport Conference

I would like to attend the 2025 Northeast Chapter (NEC) annual airport conference in Hershey, PA in March; hosted by the American Association of Airport Executives (AAAE). This conference is directly after the ASOS training class in the same location, so I felt it made sense to extend my stay to attend. Seminars include FAA construction specifications, hangar development, operations, and much more. Costs for travel, lodging, meals & registration for the course was included in the Aviation FY 2025 budget, and costs should not exceed \$2,500.

Please authorize Andy Jones to attend the 2025 AAAE NEC Conference in Hershey, PA in March 2025.

Thank you,


Andy Jones
Airport Director

Date 02.26.25
Approved by City of Elkhart
Board of Aviation Commissioners




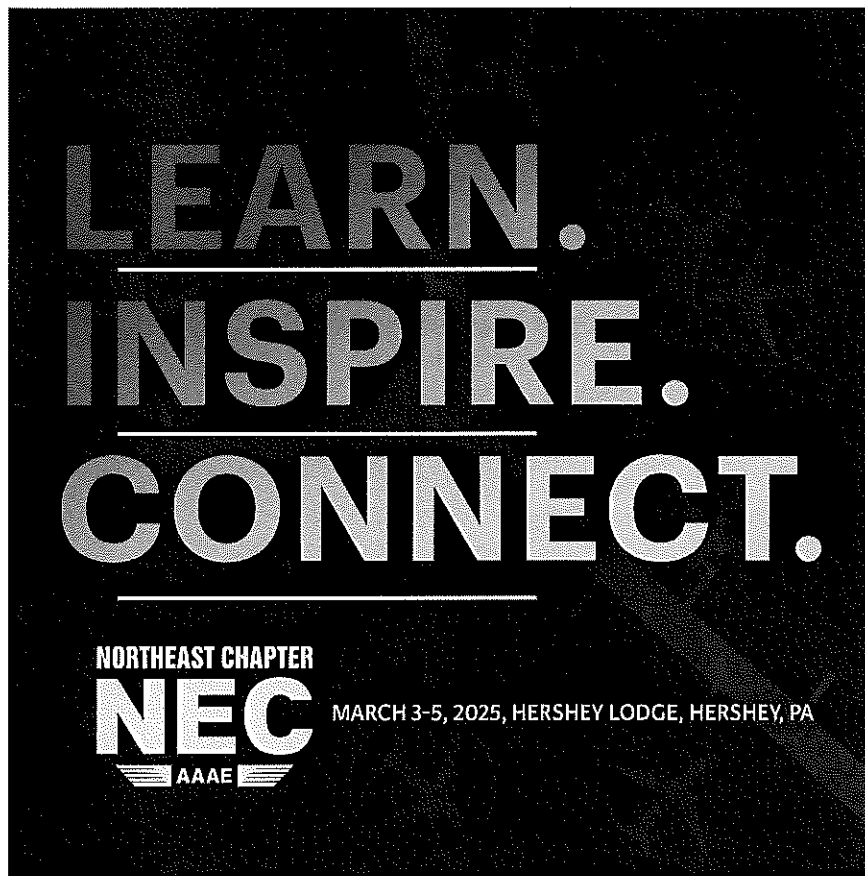
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- Training & Education
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- Events Calendar

2025 NEC Annual Airports Conference Agenda

(As of February 4, 2025)



Our Corporate Partners

ARCONAS

Chapter News

2025 NEC/AAAE Executive Committee and Board of Directors Announced

NEC/AAAE is proud to announce the 2025 Executive Committee and Board of Directors. During the Membership meeting at the NEC/AAAE Annual Conference in Portsmouth, NH. The following team was elected to lead NEC/AAAE for 2025

Executive Committee

- President: Derek Martin, A.A.E.
- Vice President: Sean Hammer, A.A.E.
- Treasurer: Stephen Williams, A.A.E.
- Secretary: Paul Brean, C.M.
- Past President: Darren Large, A.A.E.

Board of Directors

- Keiva Rodrigues, P.E., PMP, C.M., CCM,
- Kellyann Valentine, A.A.E., Christopher Dougherty, A.A.E., Shon Dempsey, A.A.E., Chad Nixon, Ryan Collins, C.M., ACE, Nick McLaughlin, P.E.

Saturday, March 1, 2025

Those joining us for the Basic ASOS course will need to register separately through the AAAE website. Registration will be opening soon, stay tuned for details!

8:00am - 8:45am

Basic ASOS Course - Continental Breakfast
Empire AB

12:15pm - 1:15pm

Basic ASOS Course - Lunch
Empire CD

4:30pm

Basic ASOS Course Concludes
*Empire AB***Sunday, March 2, 2025**

8:00am - 8:45am

Basic ASOS Course - Continental Breakfast
Empire AB

12:15pm - 1:15pm

Basic ASOS Course - Lunch
Empire CD

4:30pm

Basic ASOS Course Concludes
Empire AB

Attendees please note: Registration for Basic ASOS and the Airports Conference are separate. If you are looking to attend both, you would need to complete the Basic ASOS registration for the course on Saturday & Sunday and then register for the Airports Conference which runs Monday - Wednesday.

Monday, March 3, 20258:00am -
6:00pmRegistration Open
*Exhibit Registration Desk*8:00am -
3:00pmExhibitor Set Up
*White Room*10:00am -
11:00amAirports Conference Committee Meeting
*Cocoa Boardroom*10:00am -
12:00pm

YoPro Career Path Panel Discussion
Attendance open to students and Yo Pros. Join AAAE NEC Yo Pro panelists to talk about career paths in aviation. The diverse panel lists careers dedicated to aviation including assistant airport manager, operations manager, noise mitigation, civil engineering and the exciting options within the field of aviation

[Click Here to register for YoPro Career Path Panel Discussion](#)

*Cocoa Terrace & Cocoa 1*11:00am -
12:30pmUniversity Affiliated Airports Meeting
*Tower 2*11:30am -
1:00pmLunch with Exhibitors
White Room

12:15pm

NEC/AAAE Scholarship & Grant Winner Photo!
 We would like to encourage all of our 2025 Scholarship & Grant Winners to join us just outside the exhibitor hall for a photo!

1:00pm -
 1:30pm

Welcoming Remarks
 FAA & NEC Updates
 Ed Foster, A.A.E., Airports Conference Committee Chair
 Sean Hammer, A.A.E., 2025 NEC Vice President
 Red Room

1:30pm -
 3:00pm

Opening Session
 TBA
 Speakers
 TBA
 Red Room

2:30pm -
 4:30pm

Headshots!
 Stop by our exhibitor hall for free headshots, our photographer will be available between 2:30pm - 4:30pm, *Sign up sheets are located at the photography booth, you must reserve your slot in advance*

Sponsored by:



3:30pm

State Aviation Directors Meeting
 Tower 2

3:00pm-
 3:30pm

Break with Exhibitors
 White Room

Sessions:

Engineering
 Sponsored by:
 DIDonato Associates
 Engineering and Architecture, P.C.

Operations

Management

Finance,
 Environment
 & Planning

FAA
 Construction
 Specifications

Location:

Trinidad Room

Cocoa
 Terrace &
 Cocoa 1

Cocoa Suites 2
 & 3

Cocoa Suite 4 &
 5

Cocoa Suite 6

3:30pm -
 5:00pm

**When
 Collaboration
 Meets Runway
 Rehabilitation**
 Speaker
 Sean Slagle, EIT
 Niagara
 Frontier
 Transportation
 Authority

**Getting
 Inclement
 Weather?
 How can
 Geographic
 Information
 Systems
 Help?**
 Speaker
 Ryan Bowe,
 GISP, PMP

Moderator
 Name

**Weather
 Reporting**

**Upgrading
 Regional
 Airports to
 Cater for AAM
 Services**
 Speaker
 Luigi
 Campanale.
 ESP
 The Jones
 Payne Group

Moderator
 Name

**Consideration
 for Hangar**

**GIS and
 Aviation
 Speaker**
 Shannon Doyle,
 PhD, GISP, PMP
 JMT Technology
 Group
 Moderator
 Ryan Bowe

**Reconditioning
 Passenger**

**Introduction to
 FAA Advisory
 Circular
 150/5370-10H.
 Part 1-2,
 Sections 10-
 105**
 Speaker
 Guillermo Felix,
 FAA
 Harold Muniz

**Composing
 Contract**

Moderator Shady Elshetwy	Automated Systems Speaker Andrew Kuchel, ACE Moderator Name	Development Speaker Scott Malta, A.A.E., C.A.E., Captain USAF (Ret.) AMCG- Aviation Management Consulting Group Moderator Name	Boarding Bridges (PBBs) Speaker James W. Stroup, PE Burns & McDonnell Moderator Ryan Bowe	Documents Speaker Dennis Yap DY Consultants Moderator Guillermo Felix
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5:05pm -
5:15pm

New Attendees, Join Us!

First time at the NEC Airports Conference? Join members of the Airports Conference planning committee in the White room ahead of our opening Ice Breaker Reception to help make new connections, ask questions and get a better understanding of the days ahead

Red Room

5:15pm -
6:45pm

Ice Breaker Reception with Exhibitors
White Room

7:00pm -
9:00pm

Dinner On Own

Tuesday, March 4, 2025

7:00am -
5:00pm

Registration Open
Exhibit Registration Desk

7:00am -
8:30am

Breakfast
Red Room

8:00am -
6:45pm

Exhibit Hall Open
White Room

Sessions:

Engineering
Sponsored by:

Engineering and Architecture, P.C.

Operations

Management

Finance,
Environment &
Planning

FAA
Construction
Specifications

Location:

Trinidad Room

Cocoa Terrace
& Cocoa 1

Cocoa Suites
2 & 3

Cocoa Suite 4
& 5

Cocoa Suite 6

AIP/ PFC/ BIL
Update
Speaker

<p>8:30am - 10:00am</p>	<p>Research Update from FAA Airport Technology Research & Development Branch and Pavement Research Updates Speaker Wesley Major, PhD FAA Dr. David Brill FAA Moderator Charles L. Sacavage</p>	<p>Part 139 Update, FY2024 Inspection Report, Airport Emergency Plans (AEP), Water Rescue Plans and Wildlife Management Speaker Jennifer Klass, ACSI Ward Hoekstra, ACSI Moderator Mahendra Raghubeer</p>	<p>FAA Airport Data Information Portal (ADIP) Speaker Chris Criswell FAA Moderator Thomas M. Tomczyk</p>	<p>Patricia Henn FAA Moderator Steven Jones Airport Projects Coordination with FAA Air Traffic Organization and Reimbursable Agreement Speaker David Hafer, FAA, Phil Barr, FAA Mark Smith, FAA David Haslett, FAA ATO NAS Planning Team Moderator Steven Jones</p>	<p>Soil Exploration and Material Characteristics and Gradation. P-152 Excavation, Subgrade and Embankment, P-154 Subbase Course, Quality Control and Acceptance Testing Speaker Jeff Crislip, FAA Moderator Ybrahina Cohen, FAA</p>
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10:00am - 12:00pm

Headshots!
Stop by our exhibitor hall for free headshots, our photographer will be available between 10:00am - 12:00pm
 Sign up sheets are located at the photography booth, you must reserve your slot in advance
 Sponsored by:

Jacobs

10:00am - 10:30am

Break with Exhibitors
 White Room

<p>Sessions:</p>	<p>Engineering Sponsored by:  DIDonato Associates Engineering and Architecture, P.C.</p>	<p>Operations</p>	<p>Management</p>	<p>Finance, Environment & Planning</p>	<p>FAA Construction Specifications</p>
<p>Location:</p>	<p>Trinidad Room</p>	<p>Cocoa Terrace & Cocoa 1</p>	<p>Cocoa Suites 2 & 3</p>	<p>Cocoa Suite 4 & 5</p>	<p>Cocoa Suite 6</p>

10:30am-12:00pm	<p>Sustainable Pavement Materials Construction Methods Speaker Lee Sutanto, PMP, CM PHL Manuel O. Bejarano, PhD., P.E. Moderator Kirsten Kennedy</p>	<p>Self Inspection Program - Hub Airports Speaker Kevin Gillen LGA Moderator Jennifer Klass</p>	<p>Elevating Airport Management to New Heights Speaker David Dinneen Gale Associates, Inc. Moderator Ethan Bassis</p>	<p>TTN Terminal Planning and Design- Insights and Challenges Speaker Chris Gubeno, P.E. Urban Engineers, Inc, Moderator Eric DeDominicis</p>	<p>Base Courses Specifications P-207-213, P217 and P-219 Speaker Harold Muniz, FAA Moderator Chad Carper</p>
	<p>Owner and Engineer Perspective on Full-Depth Reclamation at Northeast Philadelphia (PNE) Speaker Jeff Lahucik, PE Atkins Realis Lee Sutanto, PMP, CM PHL Moderator Name</p>	<p>Self Inspection Program- Non Hub Airports Speaker Josh Nalley ITH Moderator Jennifer Klass</p>			


12:00pm-1:30pm


Keynote Luncheon
Staff Sergeant (Ret.) Johnny "Joey" Jones
[Click Here to Read More on Joey Jones](#)
 Red Room

1:00pm - 3:00pm

Headshots!
Stop by our exhibitor hall for free headshots, our photographer will be available between 1:00pm - 3:00pm
 Sign up sheets are located at the photography booth, you must reserve your slot in advance

Sponsored by:
Jacobs

Sessions:	Engineering	Operations	Management	Finance, Environment & Planning	FAA Construction Specifications
	Sponsored by:  DiDonato Associates Engineering and Architecture, P.C.				
Location:	<i>Trinidad Room</i>	<i>Cocoa Terrace & Cocoa 1</i>	<i>Cocoa Suites 2 & 3</i>	<i>Cocoa Suite 4 & 5</i>	<i>Cocoa Suite 6</i>
1:30pm - 3:00pm	Pavement Management Program at BWI Marshall & Martin State Airports- New Technologies & Methods Speaker Alan Yazdani, P.E. Abbas Kachwalla AECOM Alex Ollerman, ASCE, C.M., PMP Maryland Aviation Administration Moderator Name	Pavement 101 for Airport Operators Speaker Guillermo Felix FAA Moderator Ward Hoekstra	Airport Compliance Updates Speaker David Cohen Jorge Panteli Michael Price Scott Glen FAA Moderator Colleen Mailloux	Successful PFAS Mitigation of an Airport Stormwater Infrastructure System Speaker Michael Eberle TRC Moderator Cheryl Quaine	Recycle Concrete Aggregate (Rubblizing) Project Case Study Speaker TBA Moderator Timothy Ward
	Photographic Comparison of Pavements Over Time Speaker Peter-Paul Dzwilewski, P.E. Applied Pavement Technology Moderator Name			Proven Full-Spectrum Solution for Subsurface Management of PFAS at Contaminated Sites Speaker Alana Miller, B.S. Regenesys Moderator Cheryl Quaine	Owner and Engineer Perspective on full Depth Reclamation at Northeast Philadelphia (PNE) Speaker Jeff Lahucik, PE Atkins Realis Lee Sutanato, PMP, CM PNL Moderator Timothy Ward

		Break with Exhibitors				
		White Room				
3:00pm - 3:30pm	Sessions:	Engineering	Operations	Management	Finance, Environment & Planning	FAA Construction Specifications
		Sponsored by:  DIDonato Associates Engineering and Architecture, P.C.				
	Location:	<i>Trinidad Room</i>	<i>Cocoa Terrace & Cocoa 1</i>	<i>Cocoa Suites 2 & 3</i>	<i>Cocoa Suite 4 & 5</i>	<i>Cocoa Suite 6</i>
3:30pm-5:00pm		Microtunneling under an Active Runway at Harrisburg International Airport Speaker Derek Hollinger AECOM Louis J. Pirozzi, PE SARAA Brian A. Peda, PE Urban Engineers Moderator Chris Gubeno Fire Protection Solutions for your next Aircraft Hangar Speaker Todd Stevens, CFPS, SET SEVO Industrial Fire Protection, LLC Moderator Chris Gubeno	Successful Transition of AFFF-Rebound, Timeline, and Waste Production Review Speaker Patrick McKeown, P.E. ECT2 Moderator Henicle Byron	RETRO-FITTING 21st CENTURY ARCHITECTURE AND PRACTICES INTO LIVING AIRPORTS Speaker Jo Ann Schneider, AIA, LEED, AP Daniel Kebede, AIA Moderator Name Human Trafficking in Aviation: How to be Prepared Speaker Edith Klimoski, M.S. Erin Albright, JD Moderator Madhuri Subramaniam	Management of Spent Aircraft Deicing Fluid Speaker Kevin Gurchak Inland Technologies International Limited Moderator Ethan Bassis Development of a U.S. Hydrogen Economy Centered on Aviation Infrastructure and New Energy Clusters Speaker Linell Olecki, CM Northeast Aviation Market Sector Lead Jason Smeak, MSCM, CLTD, ENV SP AECOM	Stabilized Base Courses P-304, 306 and 307, General updates to 150-5370-10 Speaker Harold Muniz, FAA Jeff Crislip, FAA Moderator Guillermo Felix

Moderator
Ethan Bassis

5:00pm-
6:30pm

2025 Leadership Awards
Networking Reception & Basket Raffle!
White Room

6:30pm

Dinner on Own

7:00pm

Exhibitor Teardown
7:00pm - 10:00pm
White Room

Wednesday, March 5, 2025

7:00am -
12:00pm

Registration Open
Exhibit Registration Desk

7:00am

5K Walk / Fun Run
Swiss Lobby

7:00am -
8:30am

Breakfast
Red Room

Location:

*Trinidad
Room*

*Cocoa Terrace
&
Cocoa 1*

*Cocoa Suites 2
& 3*

*Cocoa Suite 4
& 5*

*Cocoa Suite
6*

**CASE
DISCUSSION**

**CASE
DISCUSSION**

**CASE
DISCUSSION**

**CASE
DISCUSSION**

**CASE
DISCUSSION**

8:30am -
10:00am

Session

**Part 139 SMS
Requirements**

Session

Session

Session

Moderator
Name

**Lessons
Learned**

Moderator
Name

Moderator
Name

Moderator
Name

Moderator
Name

10:00am-
12:00pm

Closing Session
Industry Update
NEC & AAEE Leadership
Trinidad Room

*After Closing
Session*

YoPro Field Trip - Harrisburg International Airport (HIA)
*Come Tour HIA's terminal and hangars, we will gather in the main lobby to organize
carpools & depart*

[Click Here to Register for Airport Tour](#)


12:00pm

Conference Concludes

Northeast Chapter - American Association of Airport Executives
230 Washington Avenue Extension
Suite 101
Albany, New York 12203
Phone: 518-313-1141
Fax: 518-463-8656
info@necaaae.org

Please note new address, phone number, and fax number!

[f](#) [in](#)

[Back to top](#) 

powered by  MemberClicks

Shaw, Karen

From: Doug Thorne <dthorne@elkhart.k12.in.us>
Sent: Monday, February 3, 2025 2:48 PM
To: Jones, Andy
Cc: Shaw, Karen
Subject: EXTERNAL: Re: NEC AAAE Annual Conference

Caution: This email originated from outside of the organization. Please take care when clicking links or opening attachments. When in doubt, contact your IT Department

Andy

I can support this.

Doug

DOUG THORNE

DISTRICT COUNSEL/CHIEF OF STAFF

ELKHART COMMUNITY SCHOOLS

J.C. Rice Educational Services Center

2720 California Road • Elkhart, IN 46514

E: dthorne@elkhart.k12.in.us • Ph: 574-262-5517 • Fx: 574-262-5733

Find [Elkhart Community Schools](#) on [Facebook](#) and [Twitter](#)

On Mon, Feb 3, 2025 at 2:16 PM Jones, Andy <Andy.Jones@coei.org> wrote:

Doug,

When registering me for the AAAE Airport Safety and Operations School in Hershey, Karen and I discovered that the North Eastern Chapter AAAE Annual Conference runs contagiously with ASOS in Hershey, not in Nova Scotia Canada as we believed. I would like board approval to remain in Hershey and attend that conference. It is scheduled for March 3, 4, 5. In addition to the aviation business trade show, I would attend classes (below) covering a number of subjects relevant to GA airports like ours.

- Collaboration meets runway rehabilitation

- FAA Advisory Circular 150/5370-10H
- Advanced weather observation
- Consideration for hangar development
- FAA construction specifications
- Part 139 update, Airport emergency plans
- Inspection programs
- Much More

We have the funds to cover the registration, lodging, meals, and travel. Karen will need to make the arrangement now, so the BOAC will need to ratify approval for my addition attendance at the next regular BOAC meeting on Feb. 26, which is still in advance of my departure for ASOS training.

Thoughts?

Thanks

Andy Jones

Elkhart Municipal Airport Director

1211 CR 6 West

Elkhart, IN 46514

Cell: 574-903-4815

Office: 574-264-5217





City of Elkhart, Indiana
the city with a heart

MEMORANDUM

DATE: 02/26/25
TO: The Board of Aviation Commissioners
FROM: Andy Jones, Airport Director
RE: Signature on INDOT grant reimbursement

Elkhart Municipal Airport is currently in year 3 (of 5) of our INDOT traffic counting grant program. This grant reimburses EKM every year for 5 years for maintaining a traffic counting system in our control tower. EKM currently pays \$810 per year to Maritime Information Systems, Inc for use of their software, and INDOT reimburses EKM with proof of payment. The Maritime invoice was paid in the January 2025 claims packet and proof of payment has been sent to INDOT. INDOT requires an invoice voucher to be signed before reimbursement. I am asking for the Board's approval to have the BOAC President sign this voucher on behalf of the City of Elkhart, pending legal approval.

Please authorize the Board President to sign the INDOT invoice voucher so EKM is eligible for a \$810 grant reimbursement.

Thank you,

Andy Jones
Andy Jones
Airport Director

Date 02.26.25
Approved by City of Elkhart
Board of Aviation Commissioners
[Signature]

Year 3

INDIANA DEPARTMENT OF TRANSPORTATION
CONTRACT INVOICE - VOUCHER

State Form 3211(R6/6-02) Approved by State Board of Accounts - July 1, 2002

CONTRACTOR'S NAME & ADDRESS

City of Elkhart
229 S. Second St.
Elkhart, IN 46516

SERVICE DATE: 1099 IND: NO

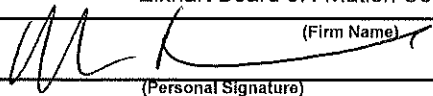
TO: INDIANA DEPARTMENT OF TRANSPORTATION

CARE OF: Cora Nieman, Aviation Specialist
INDOT, Office of Aviation
ADDRESS: 100 North Senate Avenue, Room N758-MM
Indianapolis, IN 46204

AUDITOR: DOC NBR		0020100899
Date of P.O. (MM,DD,YY)		02/15/23
PURCHASE ORDER NUMBER		
PO # 0020100899		
FUND	OBJECT	CENTER
STATE AGENCY: DEPARTMENT OF TRANSPORTATION 800		
Appro. Name R1 A4		
STATE SHARE.....		
FEDERAL SHARE.....		
TOTAL DISBURSEMENT.....		
CONTRACTOR LEAVE BLANK		
GROSS AMT.		
AMT. LIQ.	DISCOUNT	
AMT. PAID		
Debit (B)	Dr. Amount (Black)	
Credit (R)	Cr. Amount (Red)	
DOC I.D: PV 800 0020100899		DATE
VENDOR CODE 0 000054624		PV TYPE RQ
		Approved Payment

ACCOUNTING LINE DISTRIBUTION													
LN	PO NUMBER	LN	INVOICE NUMBER	FUND	AGCY	ORG	APPR UNIT	ACTV	OBJ	JOB/PROJ NUMBER	PRTY	AMOUNT	P/F
01	0020100899				800							\$ 810.00	
02					800								
03					800								
04					800								
05					800								
06					800								

DESCRIPTION
Traffic Monitoring Grant Year 3 Ekm - Yearly Subscription - \$ 810.00

RECOMMENDED FOR APPROVAL	DATE	Pursuant to the provision and penalties of Indiana Code 6-11-10-1 I hereby certify that the foregoing account is just and correct, that the amount claimed is legally due, after allowing all just credits, and that no part of the same has been paid. DATE (MM,DD,YY) 02.04.2025 (FILL OUT ORIGINAL COPY COMPLETELY) Elkhart Board of Aviation Commissioners (Firm Name)  (Personal Signature) 229 S. Second St. (Street or R.F.D.) Elkhart, IN 46516 (City) (State)
1. PROJECT ENGINEER		
2. OFFICE ADMIN. ENGINEER, CENTRAL OFFICE		
3. DIVISION CHIEF		
4. COMMISSIONER		
5. INDOT DIVISION OF ACCOUNTING AND CONTROL		
I certify that this claim is correct and valid, and is a proper charge against the Indiana Department of Transportation.		
INDIANA DEPARTMENT OF TRANSPORTATION (PERSONAL SIGNATURE)		

CITY OF ELKHART

VENDOR: 025752 MARITIME INFORMATION SYSTEMS, INC

807966

01/29/2025

DATE	INVOICE #	PO #	DESCRIPTION	AMOUNT
1/9/2025	6728		Year 3 of 5 ATC traffic counting software	810.00

*Ekm - Proof of Payment
to Maritime for traffic
counting software usage*

CHECK TOTAL 810.00



City of Elkhart

229 S 2nd Street
Elkhart, IN 46516
574-294-5471

City of Elkhart

1st Source - Pooled Cash
South Bend, IN 46634

EFT # 807966

APPKT08607

EFT DATE
01/29/2025

PAY THIS AMOUNT
\$810.00

PAY *** VOID *** NON-NEGOTIABLE *** VOID *** FOR INFORMATION ONLY *** VOID ***

TO THE ORDER OF MARITIME INFORMATION SYSTEMS, INC
P.O. BOX 207
BRISTOL, RI 02809

AV

1st Source - Pooled Cash



City of Elkhart, Indiana
the city with a heart

MEMORANDUM

DATE: February 26, 2025
TO: Board of Aviation Commissioners
FROM: Andy Jones
RE: **Air Traffic Control Tower Liability Insurance**

The Air Traffic Control Tower liability insurance expires in May 2025. The process for shopping for quotes for renewal is 60-90 days; therefore I ask the board for permission to contact our broker, Community Insurance Partners (formerly Clevenger Insurance) to seek quotes. I also ask the board to authorize the Airport Director to sign the quote specifications applications that will be sent to our broker.

Please approve my request to ask our broker to shop for quotes and for the Airport Director to sign the quote specifications applications for the air traffic control tower liability insurance.

Thank you,

Andy Jones

Date 02.26.25
Approved by City of Elkhart
Board of Aviation Commissioners



AIRPORT LIABILITY INSURANCE APPLICATION

PRODUCER: Community Insurance Partners
 ADDRESS: 525 E Center St
 CITY: Warsaw STATE: IN ZIP 46580
 PHONE: 574-267-2181 FAX: _____

Check which is desired: Quotation Insurance

I. GENERAL INFORMATION:

APPLICANT City of Elkhart
 ADDRESS _____
 APPLICANT IS: Individual(s) Corporation Partnership Other
 Insurance is requested from May 22, 2025 To May 22, 2026
 Name of Airport Elkhart Municipal Airport located NW miles 3 of Elkhart

1. Applicant's Interest in Airport: _____ Owner _____ Lessor _____ Lessee _____ Trustee
 _____ Other: Specify _____
2. Airport Budget: \$ _____ Last 12 Months \$ _____ Estimated Next 12 Months
3. FAA Airport Classification: General Aviation
4. Airport Altitude: 778
5. Airport Manager: Andy Jones
6. Manager's Length of Experience in Airport Operations: 17 years
7. How long has the Applicant employed Manager? 17 years
8. List Certificate Restrictions & Exemptions: _____

II. PREMISES / OPERATIONS

1. Are there Control Tower Operations? Yes No If Yes, name operator: _____
 Is Control Tower operation Full Time or Part Time? If Part Time, specify operating hours: _____
2. Does Airport operate Unicom Service? Yes No
3. Does the Airport own, lease or maintain any Nav aids, Radars, Windshear Detectors or Aircraft Communications Systems?
 Yes No If Yes, describe: Papis (Precision Approach Path Indicators), Radio Frequencies, Landline
4. Does the Airport inspect or maintain runways, taxiways or ramps? Yes No If No, identify the inspection firm: _____
By City of Elkhart Aviation employees
 Frequency of Inspections: Daily on scheduled work days
5. Describe All Runways, Taxiways, Ramps:

	Heading	Length	Width	Surface	Describe All Obstructions
a.	<u>9/27</u>	<u>6500'</u>	<u>120'</u>	<u>Concrete/Groove</u>	
b.	<u>18/36</u>	<u>3999'</u>	<u>75'</u>	<u>Asphalt/Groove</u>	
c.	<u>8/26</u>	<u>2480'</u>	<u>250'</u>	<u>Turf</u>	
d.	<u>10w/28w</u>	<u>2675'</u>	<u>100'</u>	<u>Water (approx 5 ops/year)</u>	

6. Does the Airport Maintain or Operate Fuel Storage Facilities? Yes No If Yes, are tanks above ground? Yes No
How often are tanks inspected? _____ By Whom: _____

7. Describe all non-aviation activities conducted on the Airport (include storage, lodging, industrial, etc.): _____

8. Does the Airport:

- a) Maintain Air Crash Emergency Plan? Yes No
- b) Maintain Anti Terrorist Plan? Yes No
- c) Employ Medical Personnel? Yes No

If Yes, please describe: The Elkhart City Fire Dept has this responsibility & they are located on airport property.

- d) Base firefighting vehicles on the airport at all times? Yes No

If No, what is distance to closest fire department station? _____ Miles

- e) Maintain Bird Strike Prevention Program? Yes No
- f) Operate Airport vehicles ON the Airport? Yes No

If Yes, please describe Maintenance vehicles, plow trucks, front-end loader, snow broom, lawnmowers

- g) Operate Airport vehicles OFF the Airport? Yes No

If Yes, please describe Maintenance vehicles

- h) Own, operate, use or maintain any off-premises locations for which coverage is requested? Yes No

If Yes, please describe all locations and uses: water runway located on the upper St. Joseph river - approx 3 miles from the airport. there are fewer than 3 ops per year

- i) Charge parking fees? Yes No No. of Spaces _____ Area of Parking Lot _____

- j) Host or sponsor Air Shows, Contests or Exhibitions? Yes No If Yes, describe: Will have separate insurance for airshows/events

k) Operate any of the following:

- Elevators Yes No How Many? 1 Who Maintains? Kone Elevator
- Escalators Yes No How Many? _____ Who Maintains? _____
- Moving Sidewalks Yes No How Many? _____ Who Maintains? _____
- Automated Passenger Trains Yes No How Many? _____ Who Maintains? _____

- l) Employ janitorial service? Yes No

9. Is the Airport completely fenced? Yes No

Does the Airport maintain an Airport Security Patrol? Yes No If Yes, describe: Performed by airport employees + the Elkhart Police Dept

Is the Airport patrolled by local police? Yes No If Yes, how often? Upon Request

10. Are there any active, inactive or abandoned dumps, landfills or aircraft salvage yards located on, adjacent to or nearby the Airport?

Yes No If Yes, Please provide details: _____

11. Estimated Number of Aircraft Landings:

	Last Year	This Year	Next Year (Est.)
General Aviation	28,000	28,000	30,000
Commuter Airlines			
Other Airlines			
Military			
Total Landings	0	0	0

12. Estimated Number of Enplaned Passengers: This Year _____ Next Year _____ (Estimated)

13. Largest Aircraft Using Airport: Gulfstream 650

Make & Model

Operated by: Transient

14. List all scheduled carriers using the Airport: None

III. PRODUCTS / COMPLETED OPERATIONS OF APPLICANT: (Indicate all operations and estimated gross receipts)

Does the Airport provide Any of the following?

	Yes / No	Previous Year's	Current Year's	Next Year's Estimated
		Gross Sales	Gross Sales	Gross Sales
A. Aircraft Fueling	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	\$	\$	\$
1) Airlines Including Commuters	<input type="checkbox"/> Yes <input type="checkbox"/> No	\$	\$	\$
2) Other Aircraft	<input type="checkbox"/> Yes <input type="checkbox"/> No	\$	\$	\$
If Yes, frequency of fuel testing:		\$	\$	\$
B. Aircraft Maintenance & Repairs	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	\$	\$	\$
C. Aircraft Parts or Accessory Sales	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	\$	\$	\$
D. Cargo / Baggage Handling or Storage	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	\$	\$	\$
E. Passenger Baggage or Security Operations	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	\$	\$	\$
F. Aircraft Towing (In or out of Hangars)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	\$	\$	\$
G. Aircraft De-icing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	\$	\$	\$
H. Restaurant or Vending Machines	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	\$	\$	\$
I. Renting space for Retail or Service Operations	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	\$	\$	\$
J. Renting or Leasing Land or Buildings	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	\$	\$	\$
K. Other Operations	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	\$	\$	\$

IV. CONSTRUCTION BY INDEPENDENT CONTRACTORS

Show Estimated Cost by type of construction expected during the next 12 months:

Runways & Taxiways \$ 3,318,897 Runway 18-36 Rehab + taxi lane Local, State, Fed Funds
 All Others \$ 1,089,926 10 Unit T-Hangar construction Local, State, Fed Funds

V. CONTRACTUAL LIABILITY

All written contracts and agreements must be submitted to the insurance company within 30 days of the date on which the Airport receives the document. Additional premium may be charged for the inclusion of such contract or agreement.

VI. HANGARKEEPERS LIABILITY

1) Does the Airport have any non-owned aircraft in its custody for storage, safekeeping, repair and / or servicing? Yes No
If Yes, then complete the following questions:

2) Number of hangars: 64 Number of tie-down / parking spaces: 15

3) Describe each hangar providing age, construction material, size and fire sprinkler details: _____
Hangars are 25-60 years old steel - hangars with steel + wood all have fire extinguishers

4) Average value of ANY one Aircraft \$ 100,000
5) Average value of ALL Aircraft: \$ 2,000,000
6) Maximum value of ANY one Aircraft \$ 300,000
7) Maximum value of ALL Aircraft \$ 5,000,000
8) Maximum value in ANY one hangar \$ 2,000,000
Maximum value on ANY one tie-down ramp \$ 5,000,000

9) Rental / Leasing Operations

	<u>Current Year</u>	<u>Last Year</u>
a) Gross revenues for hangar rental or lease	\$ _____	\$ _____
b) Gross revenues for tie-down rental or lease	\$ _____	\$ _____

VIII. LOSS HISTORY

List ALL claims occurring during the past 5 years other than those associated with Workers Compensation. Attach separate sheet(s) if necessary. Attach loss runs provided by your insurance company if available.

DATE OF LOSS	DESCRIPTION OF LOSS	PAID	CLAIMS DATA	
			OUTSTANDING RESERVES	EXPENSES
		\$	\$	\$
		\$	\$	\$
		\$	\$	\$
		\$	\$	\$
		\$	\$	\$

Are loss amounts shown above reduced by a deductible? Yes No If Yes, specify amount \$ _____
 Are loss amounts shown above reduced by a self-insured retention? Yes No If Yes, specify amount \$ _____
 Has any Insurer cancelled, declined or refused to renew the Applicant's Insurance? Yes No If Yes, explain: _____

IX. CURRENT INSURANCE

Name of current Insurer: Old Republic Insurance Company
Expiration Date of current coverage: 05/22/25
Current Policy Limits: \$ 5,000,000 Premium: \$ 28,280.00

X. REQUESTED COVERAGE AND LIMITS

1. Limit A. Combined Single Limit \$ 5,000,000
B. Bodily Injury \$ 5,000,000 Each Person \$ 5,000,000 Each Occurrence
Property Damage \$ 5,000,000

2. Requested Coverage(s):

- Premises & Operations
- Products & Completed Operations
- Contractual Liability
- Owners & Contractors Protective
- Premises Medical Payments \$ 5,000 Per Person
\$ 1,000,000 Per Occurrence
- Personal Injury Including OR Excluding Advertising Liability
- Hangarkeepers Liability \$ 1,000,000 Per Aircraft
\$ 1,000,000 Per Occurrence

Other (specify): _____

I the undersigned, hereby declare and warrant that all of the particulars and answers given herein are true and complete in every respect to the best of my knowledge and belief, and that no material information has been withheld or suppressed

FRAUD WARNING: Any person who knowingly and with intent to defraud any insurance company or other person files an application for insurance containing any materially false information or conceals, for the purpose of misleading, information concerning any fact material thereto commits a fraudulent insurance act, which is a crime and subjects such person to criminal and civil penalties.

Applicant's Signature: Andy Jones Date: 02.03.25
Printed Name: Andy Jones Title: Airport Director

This Application does not commit the Company to any liability nor make the Applicant liable for any premium unless the Company agrees to bind this insurance.

**STATE FRAUD WARNINGS
PLEASE READ CAREFULLY**

Any person who knowingly presents a false or fraudulent claim for payment of a loss or benefit or knowingly presents false information in an application for insurance is guilty of a crime and may be subject to fines and confinement in prison.

STATE SPECIFIC PROVISIONS

Arkansas	Any person who knowingly presents a false or fraudulent claim for payment of a loss or benefit or knowingly presents false information in an application for insurance is guilty of a crime and may be subject to fines and confinement in prison.
Colorado	It is unlawful to knowingly provide false, incomplete, or misleading facts or information to an insurance company for the purpose of defrauding or attempting to defraud the company. Penalties may include imprisonment, fines, denial of insurance and civil damages. Any insurance company or agent of an insurance company who knowingly provides false, incomplete, or misleading facts or information to a policyholder or claimant for the purpose of defrauding or attempting to defraud the policyholder or claiming with regard to a settlement or award payable for insurance proceeds shall be reported to the Colorado Division of Insurance within the Department of Regulatory Agencies.
District of Columbia	WARNING: It is a crime to provide false or misleading information to an insurer for the purpose of defrauding the insurer or any other person. Penalties include imprisonment and/or fines. In addition, an insurer may deny insurance benefits if false information materially related to a claim was provided by the applicant.
Florida	Any person who knowingly and with intent to injure, defraud, or deceive any insurance company files a statement of claim containing any false, incomplete, or misleading information is guilty of a felony of the third degree.
Hawaii	For your protection, Hawaii law requires you to be informed that presenting a fraudulent claim for payment of a loss or benefit is a crime punishable by fines or imprisonment, or both.
Kentucky	Any person who knowingly and with intent to defraud any insurance company or other person files an application for insurance containing any materially false information or conceals, for the purpose of misleading, information concerning any fact material thereto commits a fraudulent insurance act, which is a crime.
Louisiana	Any person who knowingly presents a false or fraudulent claim for payment of a loss or benefit or knowingly presents false information in an application for insurance is guilty of a crime and may be subject to fines and confinement in prison.
Maine	It is a crime to knowingly provide false, incomplete or misleading information to an insurance company for the purpose of defrauding the company. Penalties may include imprisonment, fines, or denial of insurance benefits.
Maryland	Any person who knowingly and willfully presents a false or fraudulent claim for payment of a loss or benefit or who knowingly and willfully presents false information in an application for insurance is guilty of a crime and may be subject to fines and confinement in prison.
New Jersey	Any person who includes any false or misleading information on an application for an insurance policy is subject to criminal and civil penalties.
New Mexico	Any person who knowingly presents a false or fraudulent claim for payment of a loss or benefit or knowingly presents false information in an application for insurance is guilty of a crime and may be subject to civil fines and criminal penalties.

New York	<p>All commercial insurance forms, except as provided for automobile insurance: Any person who knowingly and with intent to defraud any insurance company or other person files an application for insurance or statement of claim containing any materially false information, or conceals for the purpose of misleading, information concerning any fact material thereto, commits a fraudulent insurance act, which is a crime, and shall also be subject to a civil penalty not to exceed five thousand dollars and the stated value of the claim for each such violation.</p> <p>Automobile insurance forms: Any person who knowingly makes or knowingly assists, abets, solicits or conspires with another to make a false report of the theft, destruction, damage or conversion of any motor vehicle to a law enforcement agency, the department of motor vehicles or an insurance company, commits a fraudulent insurance act, which is a crime, and shall also be subject to a civil penalty not to exceed five thousand dollars and the value of the subject motor vehicle or stated claim for each violation.</p> <p>Fire Insurance: Any person who knowingly and with intent to defraud any insurance company or other person files an application for insurance containing any false information, or conceals for the purpose of misleading, information concerning any fact material thereto, commits a fraudulent insurance act, which is a crime. The proposed insured affirms that the foregoing information is true and agrees that these applications shall constitute a part of any policy issued whether attached or not and that any willful concealment or misrepresentation of a material fact or circumstances shall be grounds to rescind the insurance policy.</p>
Ohio	Any person who, with intent to defraud or knowing that he is facilitating a fraud against an insurer, submits an application or files a claim containing a false or deceptive statement is guilty of insurance fraud.
Oklahoma	WARNING: Any person who knowingly, and with intent to injure, defraud or deceive any insurer, makes any claim for the proceeds of an insurance policy containing any false, incomplete or misleading information is guilty of a felony.
Oregon	Any person who, with INTENT TO DEFRAUD or knowing that he is facilitating a fraud against an insurer, submits an application or files a claim containing a false or deceptive statement MAY BE guilty of insurance fraud."
Pennsylvania	Any person who knowingly and with intent to defraud any insurance company or other person files an application for insurance or statement of claim containing any materially false information or conceals for the purpose of misleading, information concerning any fact material thereto commits a fraudulent insurance act, which is a crime and subjects such person to criminal and civil penalties.
	Auto: Any person who knowingly and with intent to injure or defraud any insurer files an application or claim containing any false, incomplete or misleading information shall, upon conviction, be subject to imprisonment for up to seven years and the payment of a fine of up to \$15,000.
Puerto Rico	Any person who knowingly and with the intention to defraud includes false information in an application for insurance or file, assist or abet in the filing of a fraudulent claim to obtain payment of a loss or other benefit, or files more than one claim for the same loss or damage, commits a felony and if found guilty shall be punished for each violation with a fine of no less than five thousands dollars (\$5,000), not to exceed ten thousands dollars (\$10,000); or imprisoned for a fixed term of three (3) years, or both. If aggravating circumstances exist, the fixed jail term may be increased to a maximum of five (5) years; and if mitigating circumstances are present, the jail term may be reduced to a minimum of two (2) years.
Rhode Island	Property Insurance, Real Or Personal: The insurance application form shall indicate the existence of a criminal penalty for failure to disclose a conviction of arson.
Tennessee	It is a crime to knowingly provide false, incomplete or misleading information to an insurance company for the purpose of defrauding the company. Penalties include imprisonment, fines and denial of insurance benefits.
Virginia	It is a crime to knowingly provide false, incomplete or misleading information to an insurance company for the purpose of defrauding the company. Penalties include imprisonment, fines and denial of insurance benefits.
West Virginia	Any person who knowingly presents a false or fraudulent claim for payment of a loss or benefit or knowingly presents false information in an application for insurance is guilty of a crime and may be subject to fines and confinement in prison.

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[Reset Form](#)

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[Save Application](#)

[Print Application](#)



CONTROL TOWER LIABILITY APPLICATION

This application does not commit the Company to any liability nor make the Applicant liable for any premium.

Each item must be answered accurately and in detail.

1) Is this a public bid? Yes No

2) Name of Applicant: City of Elkhart

Address: 1211 County Road 6
Elkhart, IN 46514

Business of Applicant will be shown as "Airport Control Tower Operator?"

Applicant is: Corporation Partnership Municipality

3) Please quote:

Please issue coverage in: City of Elkhart
(Name of Company)

Effective from: 12:01 A.M. 05/22/25
(Standard time at address of Applicant)

To: 12:01 A.M. 05/22/26

4) Name and location of airport: Elkhart Municipal Airport
1211 County Road 6
Elkhart, IN 46514

5) F.A.A. airport classification: General Aviation

6) Interest of Applicant in airport: Airport Owner

7) Runways:

	HEADING	LENGTH	WIDTH	SURFACE
a)	<u>9/27</u>	<u>6500</u>	<u>120</u>	<u>Concrete/Groove</u>
b)	<u>18/36</u>	<u>3999</u>	<u>75</u>	<u>Asphalt/Grooved</u>
c)	<u>8/26</u>	<u>2480</u>	<u>250</u>	<u>Turf</u>
d)	<u>10w/28w</u>	<u>2675</u>	<u>100</u>	<u>Water</u>

8) a) Enplaned passengers:

This fiscal year 0 Next fiscal year 0

b) Deplaned passengers:

This fiscal year 0 Next fiscal year 0

9) Total aircraft take-offs and landings:

This fiscal year 28,000 Next fiscal year 29,000

Take-Offs Landings Take-Offs Landings

- a) Commercial _____
- b) General Aviation
- c) Other
- d) Total (a-c)

10) a) Largest aircraft type commonly using the airport:

Falcon 50, Citation 10, Challenger 64

b) Who operates the aircraft in a)?

Transient

c) Seating capacity of the aircraft in a):

8 & 12

11) a) Do you maintain radio control of all ground vehicles on or crossing active runways or taxiways? Yes No

b) Is the person maintaining such control the same person that controls aircraft take-offs and landings? Yes No

12) TRAFFIC CONTROLLERS INFORMATION

Name of each controller	Age	Years of Experience	Has the Controller ever been involved in any claim/mishap/ Incident? If so, give details.
Michael Stewart	57	39	No
Henry Weber	67	35	No
Michael Haller	65	40	No
Michael Judd	62	40	No

13) How many hours is a Traffic Controller on duty?

Per day 8 Per Week 40

14) Is the Control Tower responsible for traffic in/out of this airport only and no other? (If no, give details.)

Yes

15) How many miles out does the Control Tower assume control of an incoming aircraft?

4.3 miles

16) Normally, on incoming traffic, at what altitude does the Control Tower assume control?

Surface to 3000' above ground limit

17) Haven given take-off instructions to outgoing traffic, does the Control Tower normally provide and further instructions? (If yes, give details.)

No

18) During the past year, has the Control Tower had occasion to "Control Traffic" farther out than 5 miles and higher than 3,000 feet? If so, how many times and miles out and at what altitude?

No

19) What procedure does the airport have to monitor the performance levels of the Controllers?

FAA Inspections & Certifications

20) How do these procedures compare to those of the F.A.A. Controllers?

Same

21) What recurrent training do the Controllers receive?

Updates from FAA, New procedures from FAA topics & inspections, and on-going recurrent training

22) Control Tower loss experience (last 5 years)

None

REMARKS:

None

All particulars herein are warranted true and complete to the best of my/our knowledge and no information has been withheld or suppressed and I/We agree that this application and the terms and conditions of the policy in use by the company shall be the basis of any contract between me/us and the company.

Dated: 01/31/25

Applicant's Signature:

Andy Jones

Andy Jones, Airport Director

The following must be completed by Agent or Broker before policy can be issued:

Name/Address of Agent or Broker: Clevenger Insurance Agency

Email to Arlington/Roe

Save Application

Reset Form

Print Application

Shaw, Karen

From: Shaw, Karen
Sent: Friday, January 31, 2025 7:30 AM
To: Gina Cesaretti Clevenger
Cc: Karen Chojnacki; Jamaica Palonson
Subject: RE: 4.23 11am
Attachments: 2025 ATC Liab ins application-01.31.25.pdf

Good morning Gina, Karen & Jamaica,

It is that time of year again for Elkhart Airport's Air Traffic Control tower liability insurance renewal. We don't expire until May; however, I always like to start this early enough so we can get everything in place before the expiration.

☺ Can you start shopping for quotes for us?

Please see the attachment for our application, and please let me know if you need anything further from my end.

Thank you!

Karen Shaw

Office Manager
Elkhart Municipal Airport
1211 CR 6 W
Elkhart, IN
Karen.shaw@coei.org
574-264-5217

From: Gina Cesaretti Clevenger <gina@clevengerins.com>
Sent: Wednesday, May 1, 2024 4:17 PM
To: Shaw, Karen <Karen.Shaw@coei.org>
Cc: Karen Chojnacki <karen@holmesinsurance.com>; Jamaica Palonson <jam@clevengerins.com>
Subject: Re: 4.23 11am

Hi Karen!

Just making sure that 11:15ish still works for me and Karen to stop by and meet in person?



REFER A FRIEND **BUSINESS HOURS**

LEAVE A REVIEW **TALK TO AGENT**

If you have received this email in error, you are hereby notified that any dissemination, distribution or copying of this email is strictly prohibited. Immediately reply to us letting us know that you have received it in error and have deleted this email from your system. Thank you.



City of Elkhart, Indiana
the city with a heart

MEMORANDUM

DATE: 02/26/25

TO: The Board of Aviation Commissioners

FROM: Andy Jones, Airport Director


RE: **Ratification of Signature on Construction Design Release Form**

The contractor for the 10-unit T-Hangar project requested a signature on a design form that needed to be sent to the Indiana DHS Division of Building Safety. This request was of a timely manner and City Legal authorized the BOAC President to sign this form on behalf of the BOAC. I am asking the BOAC to ratify this signature.

Please ratify the signature of the BOAC President for the 10-unit T-Hangar construction design release form.

Thank you,


Andy Jones
Airport Director

Date 02.26.25
Approved by City of Elkhart
Board of Aviation Commissioners




**APPLICATION FOR CONSTRUCTION
DESIGN RELEASE**

Slate Form 37318 (R15 / 1-12)
Approved by State Board of Accounts, 2012

INDIANA DEPARTMENT OF HOMELAND SECURITY
DIVISION OF FIRE AND BUILDING SAFETY
PLAN REVIEW BRANCH
302 West Washington Street, Room E245
Indianapolis, IN 46204
www.in.gov/dhs/2372.htm



INSTRUCTIONS: Please type or print clearly. If multiple design professionals are involved
in the certification process, submit an additional page 1 with the appropriate information.

Type of application						
<input type="checkbox"/> Standard		<input type="checkbox"/> Partial		<input checked="" type="checkbox"/> Foundation Request		
PROJECT LOCATION (Must Be Complete and Accurate)						
Name of project City of Elkhart-Elkhart Municipal Airport			Closest intersecting street or road County Road 7			
Address (site location, number and street) 1211 County Road 6			Suite or floor -		Direction FROM intersection TO project <input type="checkbox"/> North <input type="checkbox"/> South <input type="checkbox"/> East <input checked="" type="checkbox"/> West	
City Elkhart		County Elkhart County		Is project within city limits? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Is building State owned? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
OWNER'S CERTIFICATE (Must Be Executed)						
As owner of the project for which this application is being filed, I hereby certify:						
<ol style="list-style-type: none"> the description of use and information contained on this application are correct; the project will be constructed in accordance with the released documents and applicable rules of the Fire Prevention and Building Safety Commission; and any changes to the released documents will be filed with the Indiana Department of Homeland Security, Division of Fire and Building Safety, Plan Review Branch. 						
Authorized signature 					Date (month, day, year) 02-14-25	
Name (typed or printed) Doug Thorne			Title Board of Aviation Commissioners President			
Telephone number (574) 264-5217		Fax number (574) 264-0915		E-mail address Andy.Jones@coei.org		
Name of owner or business Elkhart Municipal Airport - City of Elkhart					Facility use	
Address (number and street, city, state, and ZIP code) 1211 CR 6 W Elkhart IN 46514						
Foundation Requested - I agree to take full responsibility for removing and replacing any construction found, by plan examination or by inspection, to be in violation of the building codes. I further agree not to proceed with above grade construction until the complete building plans and specifications have been reviewed and released by the Indiana Department of Homeland Security, Division of Fire and Building Safety, Plan Review Branch.						
DESIGN PROFESSIONAL CERTIFICATE *						
<i>(Must Be Executed for all new buildings or additions exceeding 30,000 Gross Cubic feet or any alteration affecting Structural Safety)</i>						
As the design professional for the project for which this application, plans and specifications are being filed, I hereby certify:						
<ol style="list-style-type: none"> I am qualified and competent to design such buildings, structures, and systems and have attached a copy of my current registration card; the plans and specifications filed in conjunction with this application were created by me and / or by my persons under my immediate personal supervision and will comply with all applicable building laws and rules of the Commission; the project data contained on this application are correct and correspond with the plans and specifications to be filed in conjunction with this application; the design professional identified below will inspect the construction covered by this application at appropriate intervals to determine general compliance with the released documents and applicable rules of the Commission and will cause all noted deviations from released documents and code violations to be corrected or notify the owner and authorities having jurisdiction of all specific deviations and code violations; and I affirm under penalty of perjury that the representations contained herein are true and I further understand that providing false information constitutes an act of perjury, which is a Class D Felony punishable by a prison term and a fine of up to \$10,000. 						
Responsibility is for the following systems:						
<input type="checkbox"/> Site		<input type="checkbox"/> Electrical		<input type="checkbox"/> Plumbing		<input checked="" type="checkbox"/> Foundation
<input type="checkbox"/> Fire Suppression		<input type="checkbox"/> All of the above		<input type="checkbox"/> Structural		<input type="checkbox"/> Architectural
<input type="checkbox"/> Mechanical		<input type="checkbox"/> Other				
Signature					Date (month, day, year)	
Name (typed or printed) Kevin M. Finn, P.E.			Indiana registration number PE19600032		<input type="checkbox"/> Architect <input checked="" type="checkbox"/> Engineer	
Telephone number (574) 537-1300		Fax number (574) 293-0011		E-mail address kevin@kmfeng.com		
Name of firm (if applicable) Kevin M. Finn, P.E., Inc.						
Address (number and street, city, state, and ZIP code) 815 Waterbury Park Dr., Elkhart, IN 46517						
Designated inspecting design professional Kevin M. Finn, P.E.			Indiana registration number PE19600032		Telephone number (574) 537-1300	

STANDARD FILING FEE	PROCESSING	PARTIAL	FOUNDATION	INSPECTION	LATE FILING	TOTAL

PROJECT DATA

Part of State Form 37318 (R15 / 1-12)

FOR OFFICE USE ONLY	
SBC project number	Filing date (month, day, year)

INSTRUCTIONS: This page must be completed by the submitter.
Please answer all pertinent questions and use a separate sheet if additional space is required.

DOCUMENTS REQUIRED FOR FILING
1. One Application for Construction Design Release (<i>original signatures</i>), together with correct filing fees. (<i>See fee schedule.</i>) 2. One complete set of plans and specifications. This set will be returned to the applicant for use at the job site. Additional collated sets may be submitted and returned if stamped sets are needed for other purposes. Please limit the weight of each submitted package to 30 pounds. A. Site plan showing dimensioned location of building to all property lines and to all existing buildings on the property, as well as width of any streets or easements bordering the property. B. Foundation and basement plans and details. C. Dimensioned floor plans for all floors. D. Fire and life safety plan showing graphically or by legend the location and rating of building elements such as area separation walls, smoke barriers, fire-resistive corridor walls, stair enclosures, shaft enclosures and horizontal exits. E. Wall elevations of all exterior walls including adjacent ground elevation. F. Sections and details of walls, floors and roof, showing dimensions, materials, and heat transfer factors (<i>R-Values</i>). G. Structural plans and elevations showing size and location of all members, truss designs showing all connection details, and all stress calculations, if specifically requested. H. Room finish schedule showing finishes for walls, ceilings and floors in all rooms, stairways and corridors. I. Door schedule showing material, size, thickness and fire-resistive rating for all doors. J. Construction specifications (<i>may be on plans for small projects</i>). K. Electrical plans, diagrams, details of service entrance, and power or lighting information required for energy conservation. L. Plumbing plans showing location of fixtures, risers, drains and piping isometrics. M. Mechanical plans showing location and size of ductwork, equipment, fire dampers and smoke dampers and equipment schedules showing capacity.

PROJECT DESCRIPTION (Must Be Complete)	FLOOR AREAS	ESTIMATED COSTS
Scope of work <input checked="" type="checkbox"/> New building <input type="checkbox"/> Addition <input type="checkbox"/> Remodeling	Total existing (if applicable) Square Feet	
Is this construction the result of fire or natural disaster? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Addition (if applicable) Square Feet	Addition (if applicable) \$
Fire suppression system in building <input type="checkbox"/> Full <input type="checkbox"/> Partial <input checked="" type="checkbox"/> None	Remodeled (if applicable) Square Feet	Remodeling (if applicable) \$
If partial, specify where* -	Sewer <input type="checkbox"/> Existing <input type="checkbox"/> Proposed <input type="checkbox"/> Public <input type="checkbox"/> Private <input checked="" type="checkbox"/> None	
Located in flood plain (check county plan commission) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Total building area square feet 14,856	Total project cost \$ 1,687,603.06
Building construction type and occupancy classification Steel	Building height (Stories) 1	Number of buildings this submital (Describe if necessary) 1
Indiana rehabilitation standard (Chapter 34) used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Evaluation documents provided? <input type="checkbox"/> Yes <input type="checkbox"/> No	Use of conversion rule (Rule 13) proposed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Does project include: (Check If Yes) <input type="checkbox"/> High pile storage <input type="checkbox"/> Boiler or pressure vessel <input type="checkbox"/> Hazardous or flammable materials storage <input type="checkbox"/> Elevator or lift <input type="checkbox"/> Combustible fibers storage <input type="checkbox"/> Fireworks storage <input type="checkbox"/> Explosives storage		
Describe proposed use of facility IN DETAIL, including types of flammable or combustible materials stored or handled Construction of 10-Unit T-Hangar, Mill & Resurface Taxlane, Remove & Replace Hangar Apron		
Describe previous or current use of facility IN DETAIL (if existing facility). -----		
General comments		
Number of persons employed (Maximum per shift)		Number of persons (public)

GENERAL INFORMATION			
Has other work at this location ever been filed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown	Does project include use of a master plan design release or a factory built modular or mobile structure? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
What year and month	Previous SBC project number	Name of manufacturer	Master plan / modular number
Has construction started? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If Yes, has a notice of violation or investigation been issued? <input type="checkbox"/> Yes <input type="checkbox"/> No	If No, probable construction starting date? (month, day, year) March 5, 2025	



City of Elkhart, Indiana
the city with a heart



MEMORANDUM

DATE: 02/26/25
TO: The Board of Aviation Commissioners
FROM: Andy Jones, Airport Director
RE: Signature on NPE letter

The Elkhart Municipal Airport intends to utilize all available Non-Primary Entitlement funds (Carryover FY23, FY24 and anticipated FY25), in addition to any other funds, toward the Runway 18-36 Pavement Rehabilitation project. This plan is in accordance with our submitted Capital Improvement Plan (CIP). I am asking for the Board's approval to have the BOAC President sign this letter to be submitted to the FAA & INDOT on behalf of the City of Elkhart, pending legal approval.

Please authorize the Board President to sign the NPE letter dated February 26, 2025.

Thank you,

Andy Jones

Andy Jones
Airport Director

Date 02.26.25
Approved by City of Elkhart
Board of Aviation Commissioners
[Signature]
Proxy



February 26, 2025

Mr. Victor Iniguez
Program Manager
Chicago Airport Districts Office
2300 East Devon Avenue
Des Plaines, IL 60018

Rod Roberson
Mayor

Andy Jones
Airport Director

Elkhart Municipal Airport
1211 CR 6 W
Elkhart, Indiana 46514

RE: Intent to use Entitlements

Maintenance:
574.361.2123

Administration Office:
574.264.5217

BOAC Members

Doug Thorne, President

Bruce Shreiner, V.P.

Tom Shoff, Secretary

Maggie Marnocha,

Treasurer

Dear Mr. Iniguez:

The Elkhart Municipal Airport intends to utilize all available Non-Primary Entitlement funds (Carryover FY23, FY24 and anticipated FY25), in addition to any other funds, toward the Runway 18-36 Pavement Rehabilitation project. This plan is in accordance with our submitted Capital Improvement Plan.

Thank you in advance for your consideration to improve our airport.

Sincerely,

Doug Thorne
President

c: Butler, Fairman and Seufert
Marcus Dial, INDOT Office of Aviation



City of Elkhart, Indiana
the city with a heart

MEMORANDUM

DATE: 02/26/25
TO: The Board of Aviation Commissioners
FROM: Andy Jones, Airport Director
RE: Approval of Progress Estimate #1 to New Tech Construction

Please approve the contractor's progress estimate #1 to New Tech Construction, in the amount of \$122,265.00 for the 10-unit T-Hangar construction progress, pending legal approval.

Please approve Progress Estimate #1 in the amount of \$122,265.00 for the 10-unit T-Hangar project.

Thank you,

Andy Jones
Airport Director

Date 02.26.25
Approved by City of Elkhart
Board of Aviation Commissioners

CITY OF ELKHART BOARD OF AVIATION COMMISSIONERS **CONTRACTOR'S
PROGRESS
ESTIMATE**

NEW TECH CORPORATION

NUMBER: 1

PERIOD FROM 1/15/2025

PROJECT:

TO 2/15/2025

**ELKHART MUNICIPAL AIRPORT
BID PACKAGE 'A' TAXILANE; BID PACKAGE 'B' 10 UNIT T-HANGAR**

ITEM SPEC.	DESCRIPTION	QUANTITIES		UNIT	UNIT PRICE	AMOUNT	
		THIS ESTIMATE	TO DATE				
BID PACKAGE A - TAXILANE CONSTRUCTION							
General Site Work: Work Outside of Building Footprint							
S1	CE-95-2.1			L.S.	7,500.00	\$0.00	
S2	M-102-2.1			L.S.	3,500.00	\$0.00	
S3	C-100			L.S.	15,000.00	\$0.00	
S4	C-105			L.S.	48,000.00	\$0.00	
S5	C-102-5.1			L.F.	5.00	\$0.00	
S6	L-108 - 5.1			L.F.	30.00	\$0.00	
S7	L-108 - 5.2			L.F.	25.00	\$0.00	
S8	L-110-5.1			L.F.	25.00	\$0.00	
S9	L-110-5.2			L.F.	33.00	\$0.00	
S10	P-152-4.1			C.Y.	14.50	\$0.00	
S11	INDOT 303			C.Y.	110.00	\$0.00	
S12	P-403-8.2			TON	140.00	\$0.00	
S13	P-403-8.1			TON	170.00	\$0.00	
S14	P-603-5.1			Gal	3.50	\$0.00	
S15	P-605-5.1			L.F.	6.00	\$0.00	
S16	P-620-5.1			S.F.	15.00	\$0.00	
S17	D-701-5.1			L.F.	95.00	\$0.00	
S18	D-752-1.1			Ea.	2,500.00	\$0.00	
S19	F-162-5.2			Ea.	30,000.00	\$0.00	
S20	T-901-5.1			KSF	180.00	\$0.00	
Alternate 1 - Mill & Resurface Taxilane							
P1	C-105			L.S.	500.00	\$0.00	
P2	P-101-5.1			SYL	4.75	\$0.00	
P3	P-403-8.1			TON	165.00	\$0.00	
P4	P-603			Gal	3.50	\$0.00	
P5	P-620-5.1			S.F.	15.00	\$0.00	
Alternate 2 - remove and Replace Hangar 39 Apron							
P6	C-105			L.S.	3,900.00	\$0.00	
P7	P-101-5.2			SYL	3.14	\$0.00	
P8	INDOT 303			TON	86.66	\$0.00	
P9	P-403-8.2			TON	140.00	\$0.00	
P10	P-403-8.1			TON	170.00	\$0.00	
P11	P-603			Gal	3.50	\$0.00	
BID PACKAGE B - T-HANGAR CONSTRUCTION							
Allo	Utility			DOL	\$1.00	\$0.00	
B1	10-Unit	Pre-Engineered Building with Bi Fold Doors	0.33	0.33	L.S.	390,000.00	\$128,700.00
B2	10-Unit	foundations, building erection, and excavation for the			L.S.	470,000.00	\$0.00
B3	10-Unit	sub panels, overhead lighting, outlets, door operators,			L.S.	90,000.00	\$0.00

CITY OF ELKHART BOARD OF AVIATION COMMISSIONERS **CONTRACTOR'S
PROGRESS
ESTIMATE**

NEW TECH CORPORATION

NUMBER: 1

PERIOD FROM 1/15/2025

PROJECT:

TO 2/15/2025

**ELKHART MUNICIPAL AIRPORT
BID PACKAGE 'A' TAXILANE; BID PACKAGE 'B' 10 UNIT T-HANGAR**

The certified payrolls for the period covered by this est. have been submitted & reviewed.
The Contractor certifies that the wage rates contained therein are not less than the applicable wage rates in the Federal Davis-Bacon wage determination in the contract.

The undersigned Contractor certifies that to the best of the Contractor's knowledge the Work covered by this Payment is Complete in accordance with Contract Documents and all liens on Work from previous Payments have been cleared.

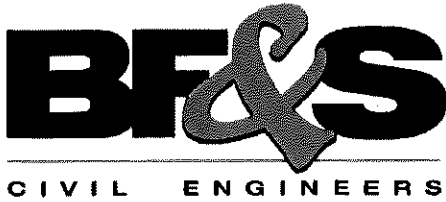
APPROVED
CONTRACTOR Shane Osborne
NEW TECH CORPORATION

TOTAL	\$128,700.00
RETAINAGE	(\$6,435.00)
BALANCE	\$122,265.00
PREVIOUS PAY	\$0.00
AMOUNT DUE	\$122,265.00
RETAIN THIS EST	(\$6,435.00)

The Engineer certifies that based on site observations and to the Engineer's best knowledge the Work has satisfactorily progressed in accordance with the contract, and the Contractor is entitled to payment of the amount certified by the Contractor.

APPROVED
ENGINEER James Berly
BUTLER, FAIRMAN, & SEUFERT, INC.

APPROVED
CITY OF ELKHART BOARD OF AVIATION COMMISSIONERS
[Signature]
BOAC Secretary



BUTLER, FAIRMAN & SEUFERT, INC.
8450 Westfield Blvd., Suite 300
Indianapolis, IN 46240-8302
o.317 713-4615
f.317 713-4616

LETTER OF TRANSMITTAL

To: _____ Date: _____ BF&S Job Number: _____

02/26/2025

Elkhart Municipal Airport
1211 County Road 6
Elkhart, IN 46514

Regarding:
10 Unit T-Hangar

Transmitting Via Purpose

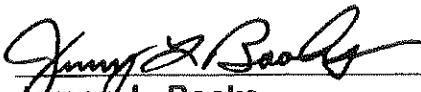
- Mail ERMS As Requested For Your Review and Comment
- Carrier _____ For Your Information _____

Quantity: Doc. Type: Description / File Name:

1 Estimate No. 1 Package

Remarks:

Copy: FILE



Jeremy L. Books

Invoice

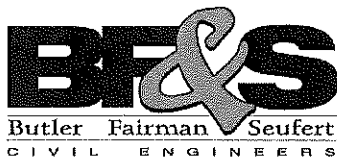
New Tech Corporation
9896 W 300 N, Bldg C
Michigan City, IN 46360

Date
2/26/2025

Bill To:
City of Elkhart board of Aviation Commissioners
Elkhart Municipal Airport
1211 County Road 6, Elkhart, IN 46514

Project: ~~National Road Park Improvements~~ *EKM- AIP-41 - 10-Unit T-Hqr Construction*

DESCRIPTION	AMOUNT
Invoice No. 1 - Total	\$ 128,700.00
Invoice No. 1 - Retainage	\$ (6,435.00)
Total Due	\$ 122,265.00



**ELKHART MUNICIPAL AIRPORT
ENGINEER REPORT/AGENDA
February 26, 2025
4:00 p.m.**

ACTION ITEMS FOR BOAC MEETING

1. Motion to submit the intent to use all available Nonprimary Entitlement (NPE) funds for the Runway 18-36 pavement rehabilitation project.
2. Motion to approve Contractors Progress Estimate Number 1 for the T-Hangar Project in the amount of \$122,265.00 to New Tech Construction.

ACTIVE GRANT SUMMARY

- AIP 3-18-0018-040 "T-Hangar and Taxilanes Construction" Part 1 - Total \$848,666.67, FAA \$763,800, State \$42,433.00, Local \$42,434.00. This grant is 1.27% complete with a remaining balance of \$837,879.58
- AIP 3-18-0018-039 "T-hangar/taxilane design" – Total \$130,223.00, FAA \$117,200, State \$6,511.00, Local \$6,512.00. This grant is 95.14% complete with a remaining balance of \$6,333.00
- AIP 3-18-0018-038 "TW D4 Standards; Runway 18-36 Pavement Rehab design" – Total \$166,667.00, FAA \$150,000, State \$8,333.00, Local \$8334.00. This grant is 77.10% complete with a remaining balance of \$38,170.09

BF&S PROJECT UPDATES

1. Runway 18-36 Pavement Rehabilitation Design (AIP-38) – 90% Federal
 - Plans are ready for advertising once the FAA establishes the grant schedule for FY2025.
 - The FAA published a discretionary due date of June 14, 2025.
 - Advertise for bids 4/30/25
 - Bid Opening 5/28/25
2. T-hangar/Taxilane design project
 - Shop drawings have been submitted and approved.
 - Utility locates and geotechnical testing are complete.
 - Waiting for good weather to start.
 - Building has ben order with an August ship date.

**Public Meeting of the Board of Aviation Commissioners:
WEDNESDAY, February 26, 2025 at 4:00pm**

**As always, the public is welcome to attend in-person. Location is:
Elkhart Municipal Airport
1211 CR 6W, Elkhart, IN 46514
1st floor Administration building**

**For virtual attendance, to view AND participate* in the meeting
Please visit:**

<https://signin.webex.com/join>

Join by meeting number: 2315 720 0179

Meeting password: FebBOAC2025

***In order to participate virtually, you must have your camera on and name displayed.**

BUTLER, FAIRMAN & SEUFERT, INC.

Civil Engineers

8450 Westfield Boulevard, Suite 300 • Indianapolis, Indiana 46240-8302

317 713-4615 • FAX 317 713-4616

Shop Drawing Review Cover Sheet

Project Owner: City of Elkhart Board of Aviation Commissioners
Project Name: Taxilanes and T-Hangar
Project Number: 6899, 7298
Shop Drawing Name: Hangar Drawings
Specification Ref.: Construction Plan Sheet 16, Hangar Technical Provisions
Date Received: December 26, 2024
Date Returned: January 28, 2025

<input checked="" type="checkbox"/> Reviewed <input type="checkbox"/> Furnish as Corrected <input type="checkbox"/> Submit Specific Item <input type="checkbox"/> Rejected <input type="checkbox"/> Revise and Resubmit	This review is only for general conformance with the design concept of the project and general compliance with the information given in the Contract Documents. Corrections or comments made on the shop drawings during this review do not relieve the Contractor from compliance with the requirements of the plans and specifications. Approval of a specific item shall not include approval of an assembly of which the item is a component. Contractor is responsible for dimensions to be confirmed and correlated at the job site; information that pertains solely to the fabrication processes or to the means, methods, techniques, sequences and procedures of construction; coordination of his or her work with that of all other trades; and performing all work in a safe and satisfactory manner.
Date: <u>1/28/2025</u>	Signature: <u><i>Jonathan A. Feit</i></u>

Comments:

- The submitted hangar plans have been reviewed against the contract requirements for building dimensions, including door sizes, height, and depth.
- Reactions are not reviewed. Please submit to the Indiana Department of Homeland Security for state design release on the hangar building.

HANGAR FACILITY

NEW TECH CORP ELKHART MUNICIPAL AIRPORT ELKHART, IN

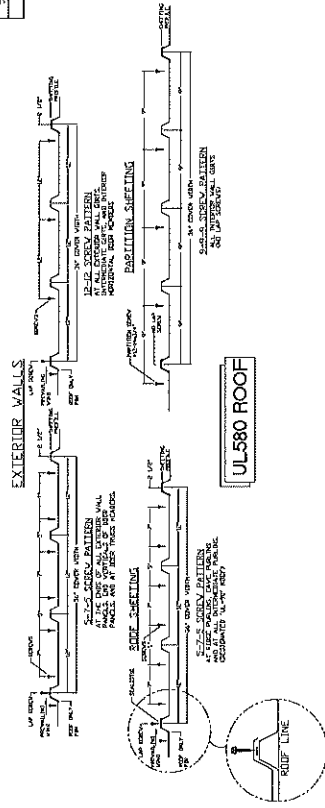
GENERAL CONTRACTOR:

- CONTRACTOR AND ERECTOR RESPONSIBILITIES
- All the rods and rebar bending are integral parts of the structural system and must be done in accordance with the design drawings. The contractor is responsible for the well and roof concrete removal or attention is prohibited without written authorization of the Engineer. The contractor shall be responsible for all temporary bracing and supports required during building erection.
- It is the responsibility of the contractor to obtain required approvals and permits from the local, state and federal agencies. It is the responsibility of the contractor to insure compliance with the rules and regulations of the state and/or federal agencies. The contractor and/or erector shall be responsible for all temporary bracing and supports required during building erection.
- Deviations or changes to plans or drawings made during approval process or fabrication will be the responsibility of the contractor. The contractor shall inspect with price and fabrication schedule.
- All drawings and/or changes must be prepared to Erect-A-Tube, Inc. within 48 hours.
- MATERIALS
- Specify materials that are used by Erect-A-Tube, Inc. meet the following minimum requirements:

ITEM	DESCRIPTION	QUANTITY	REMARKS
1	ASTM-A36	50 KLB	
2	ASTM-A572	50 KLB	
3	ASTM-A572	48 KLB	
4	ASTM-A572	50 KLB	
5	ASTM-A572	50 KLB	
6	ASTM-A572	50 KLB	
7	ASTM-A572	50 KLB	
8	ASTM-A572	50 KLB	
9	ASTM-A572	50 KLB	
10	ASTM-A572	50 KLB	

22 SHEETING AND INSULATION SPECIFIED

NO.	WALL SHEETING PROFILE	DESCRIPTION	SUBSTRATE	FINISH/COVER	FASTENINGS	INSULATION	REMARKS
26	80 HX	FR	WALL PANELS	UNVALUING-CP	1/2" x 1 1/4" HANGERS TO Girts	NONE	
27	80 HX	FR	ROOF PANELS	UNVALUING-CP	1/2" x 1 1/4" HANGERS TO Girts	NONE	
28	80 HX	FR	ROOF PANELS	UNVALUING-CP	1/2" x 1 1/4" HANGERS TO Girts	NONE	
29	80 HX	*	TRIM	UNVALUING-CP	1/2" x 1 1/4" HANGERS TO Girts	NONE	
30	80 HX	*	PARTITION PANELS	UNVALUING-CP	1/2" x 1 1/4" HANGERS TO Girts	NONE	



SEALANT FOR ROOF LAPS

- THIRD PARTY INSPECTIONS
- Third party inspections shall be done with Erect-A-Tube, Inc. and shall be done in accordance with the specifications of the Engineer. The contractor shall be responsible for the well and roof concrete removal or attention is prohibited without written authorization of the Engineer. The contractor shall be responsible for all temporary bracing and supports required during building erection.
- GROUND SNOWY LOAD
- ROOF LIVE LOAD
- DEAD LOAD
- ULT. DESIGN WIND SPEED, V.W.T.E.
- MINIMUM DESIGN WIND SPEED, V.W.S.D.
- CONSTRUCTION TYPE
- WIND EXPOSURE
- RISK CATEGORY
- SEISMIC DATA
- SITE CLASS
- MAPPED SPECTRAL ACCELERATIONS
- DESIGN SPECTRAL ACCELERATIONS
- SEISMIC DESIGN CATEGORY
- ALL BI-FOLD DOORS IN THIS STRUCTURE ARE DESIGNED PER CODE REQUIREMENTS LISTED ON THIS SHEET AND TO BE CLOSED AND IN THE LOCKED POSITION WHEN WIND SPEEDS ARE EQUAL TO OR GREATER THAN 40 MPH. THIS PREVENTS DAMAGE TO THE BI-FOLD DOOR AND HANGAR ROOF PANELS DUE TO WIND UPLIFT.

PAGE	DRAWING	DESCRIPTION
1	ERB05-1	COVER SHEET
2	ERB05-2	FLOOR PLAN & ELEVATIONS
3	ERB05-3	ANCHOR BOLT LAYOUT
4	ERB05-4	CROSS SECTIONS
5	ERB05-5	CROSS SECTION—DETAIL DRAWINGS
6	ERB05-6	STEEL & ROOF FRAMING LAYOUT
7	ERB05-7	ERECTION DRAWING
8	ERB05-8	SHEETING LAYOUT
9	ERB05-9	TRIM "TIP" DETAILS

ITEM	DESCRIPTION	QUANTITY
1	STEEL STRUCTURAL 1/2" x 1 1/4" x 1 1/2"	15
2	STEEL STRUCTURAL 1/2" x 1 1/4" x 1 1/2"	12
3	ROOF CLIPS 1/2" x 1 1/4" x 7/8"	11
4	WALL STRUCTURALS PAINTED 1/2" x 1 1/4" x 1 1/4"	12
5	WALL CLIPS PAINTED 1/2" x 1 1/4" x 7/8"	11
6	PARTITION AND WASHERS 1/2" x 1 1/4" x 3/4"	13
7	TRIM AND WASHERS 1/2" x 1 1/4" x 1/2"	15

SCREW SIZE CHART

PLEASE APPROVE AND RETURN TO:
ERECT-A-TUBE, INC.
P.O. BOX 100
HARVARD, IL 60033
P: 815-948-4091

APPROVED BY: _____ DATE: _____
PRINT NAME: _____ TITLE: _____



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SEAL EXP. DATE: _____

DRAWING STATUS: _____ DATE: _____

PRELIMINARY X-XX-XX

APPROVAL 11-12-24

CONSTRUCTION X-XX-XX

DRAWING STATUS	DATE
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<input checked="" type="checkbox"/> APPROVAL	11-12-24
<input type="checkbox"/> CONSTRUCTION	X-XX-XX

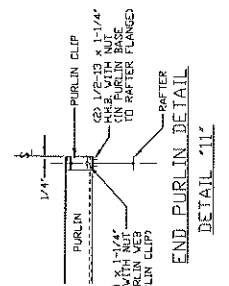
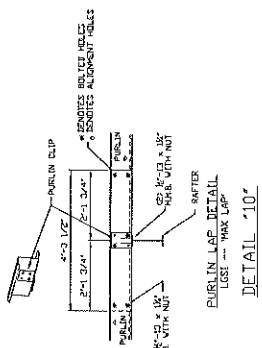
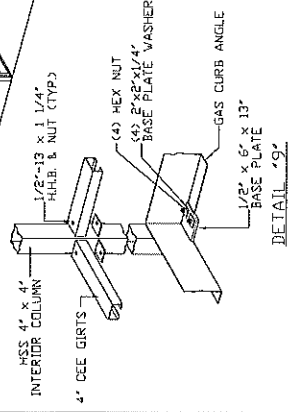
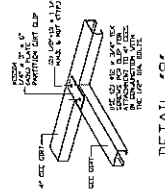
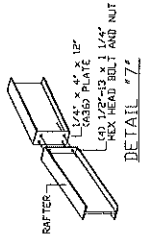
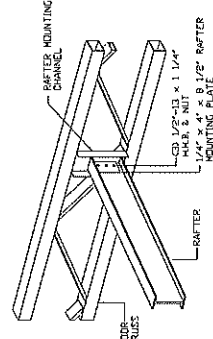
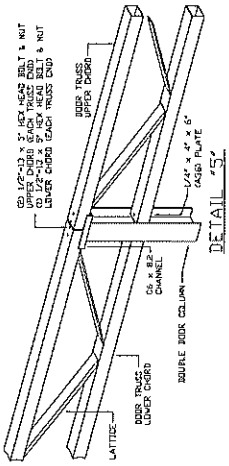
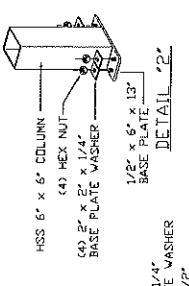
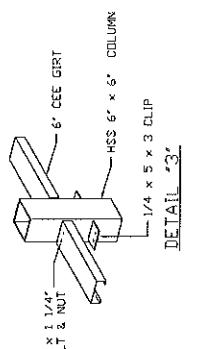
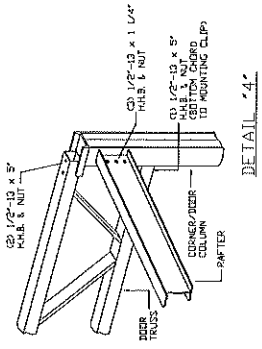
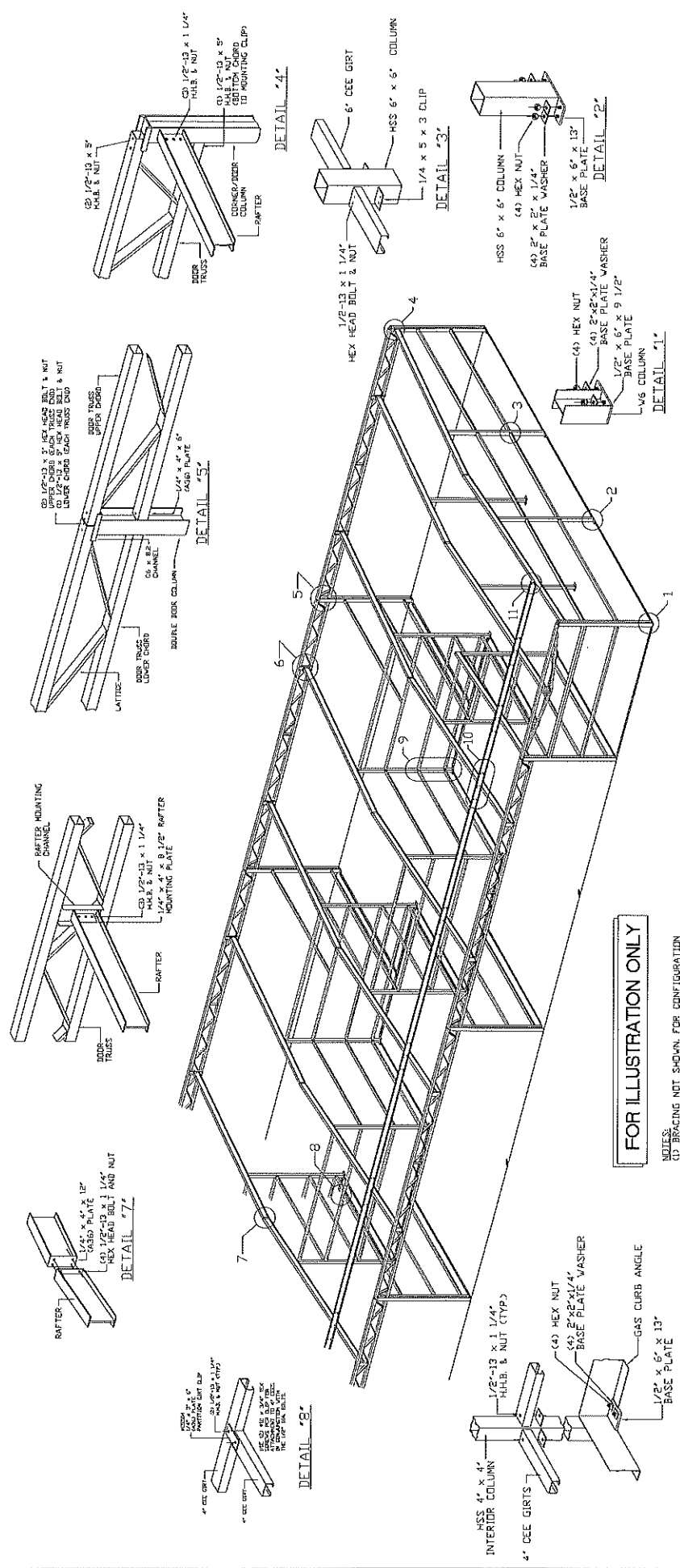
"BUY AMERICAN"
ERECT-A-TUBE
ERECT-A-TUBE, INC.
P.O. BOX 100
HARVARD, IL 60033
TEL: 815-948-4091

11 UNIT 1051-12
COVER SHEET
NO. 1051-12
NO. 1051-12
NO. 1051-12

CLONKAT MUNICIPAL AIRPORT
ELKHART, IN 46524

NO. 1051-12
NO. 1051-12
NO. 1051-12

NO. 1051-12
NO. 1051-12
NO. 1051-12



FOR ILLUSTRATION ONLY

NOTES CONCERNING NOT SHOWN FOR CONFIGURATION
 (1) SEE "GROSS SECTIONS" & "STEEL & ROOF FRAMING LAYOUT"
 (2) SEE NOTE ON SHEET #1 CONCERNING "FIELD WELDING"

RAFTER BRACE (RB40-41)
 SEE SHEET #1 FOR CONNECTIONS

RAFTER BRACE (RB33)
 SEE SHEET #1 FOR CONNECTIONS

END PURLIN DETAIL
 SEE SHEET #1 FOR CONNECTIONS



11-1524
 EP-12-16

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"BUY AMERICAN"

ERIC J. TUBO, INC.
 1111 WEST WASHINGTON STREET
 INDIANAPOLIS, IN 46204

1111 WEST WASHINGTON STREET
 INDIANAPOLIS, IN 46204

PROJECT NO. 2024-001
 7816 WEST NORTH AVENUE, BUILDING C
 MEDICIAN CITY, IN 46260

CLIENT: INDIANAPOLIS AIRPORT
 1111 WEST WASHINGTON STREET
 INDIANAPOLIS, IN 46204

DESIGNER: ERIC J. TUBO, INC.
 1111 WEST WASHINGTON STREET
 INDIANAPOLIS, IN 46204

DATE: 11-15-24

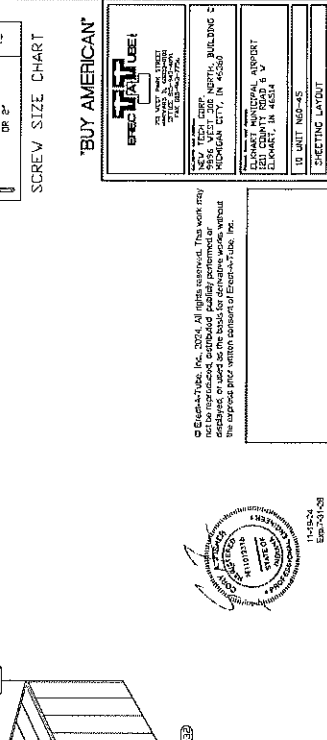
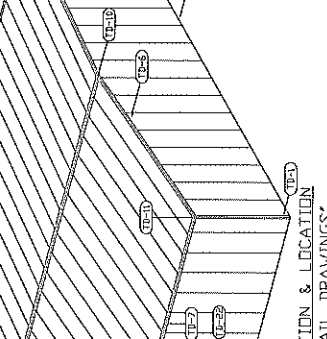
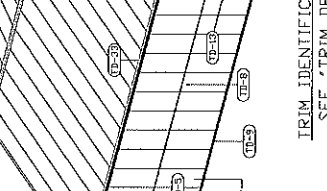
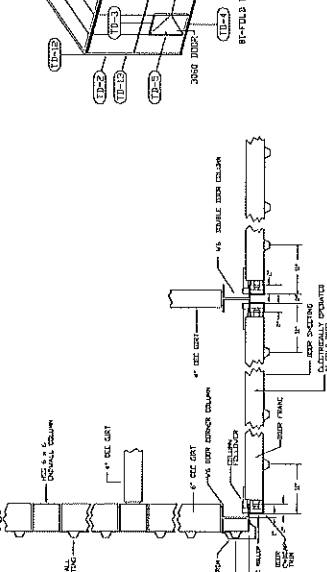
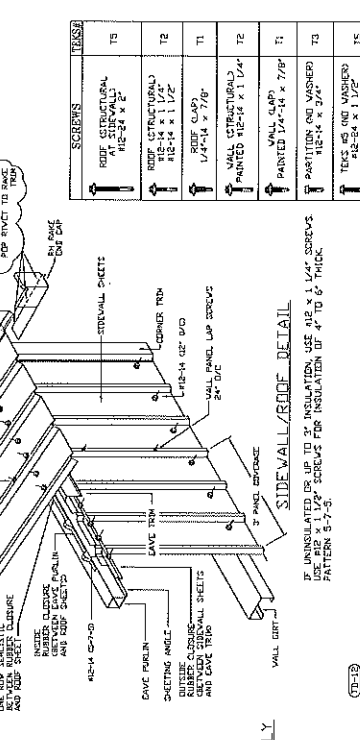
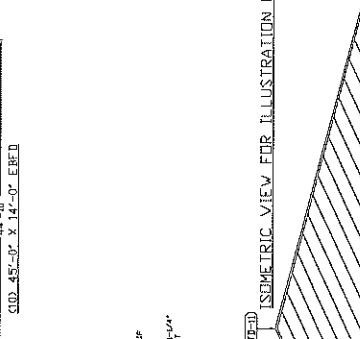
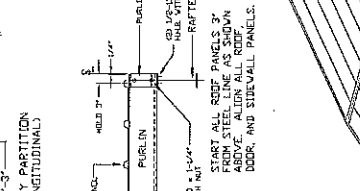
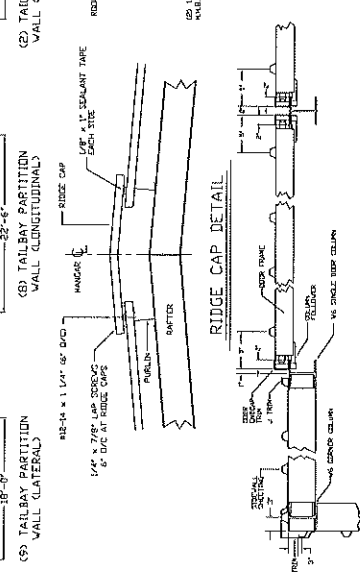
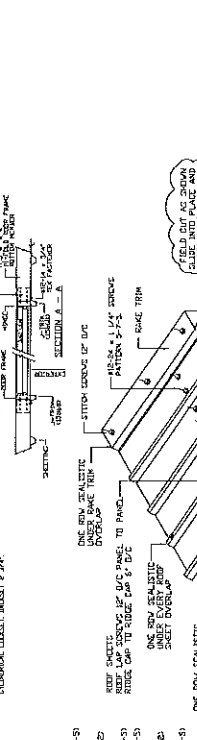
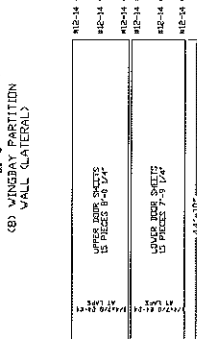
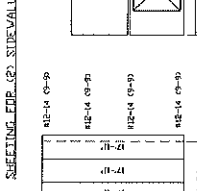
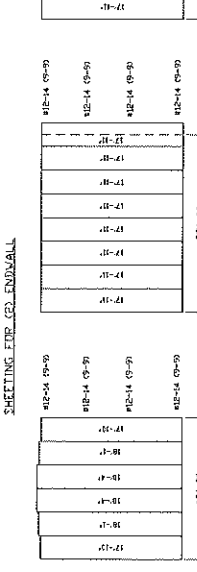
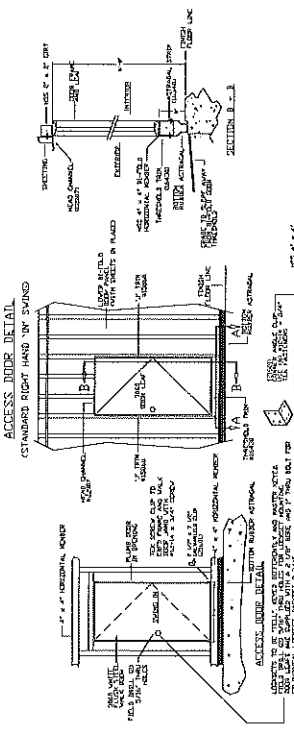
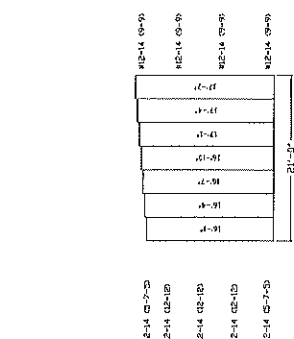
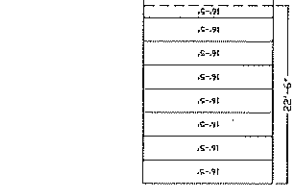
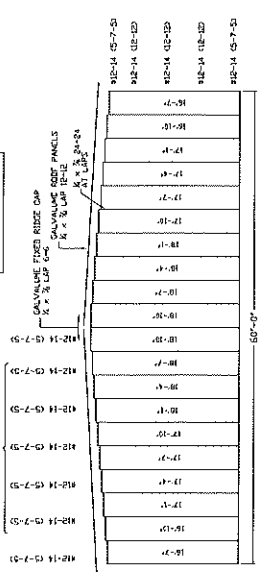
SCALE: AS SHOWN

SHEET NO. 7 OF 9

NO.	REVISION	DATE

SEE SHEET #1 FOR CONNECTIONS
 SEE SHEET #1 FOR CONNECTIONS
 SEE SHEET #1 FOR CONNECTIONS

UL580 ROOF



SCREENS

T5	1/2" STEEL MESH
T2	1/2" STEEL MESH
T1	1/2" STEEL MESH
T2	1/2" STEEL MESH
T1	1/2" STEEL MESH
T2	1/2" STEEL MESH
T3	1/2" STEEL MESH
T5	1/2" STEEL MESH

SCREW SIZE CHART

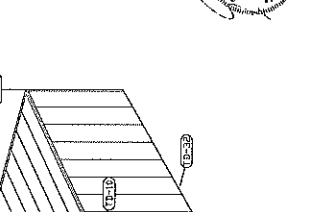
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T2	1/2" x 1/2"
T1	1/2" x 1/2"
T2	1/2" x 1/2"
T1	1/2" x 1/2"
T3	1/2" x 1/2"
T5	1/2" x 1/2"

'BUY AMERICAN'

EPIC TUBE

11-15-24
580-701-08

IF UNINSULATED OR UP TO 2" INSULATION USE #10 x 1 1/2" SCREWS PER INSULATION UP TO 6" THICK. PATTERN 5-7-3.



TRIM IDENTIFICATION & LOCATION
SEE 'TRIM DETAIL DRAWINGS'

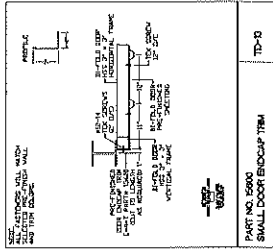
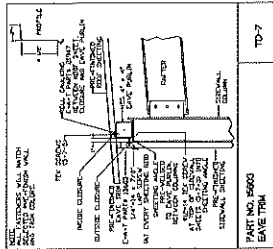
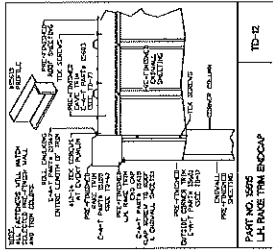
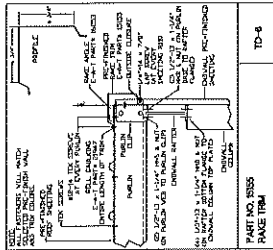
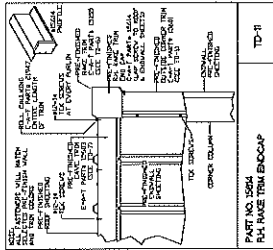
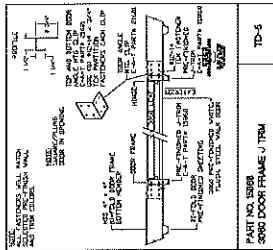
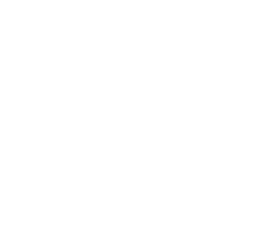
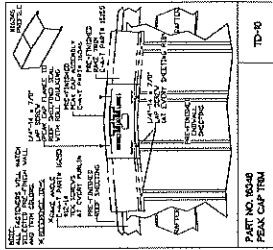
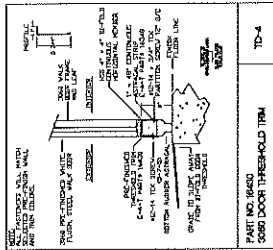
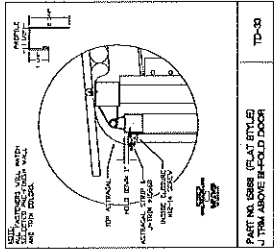
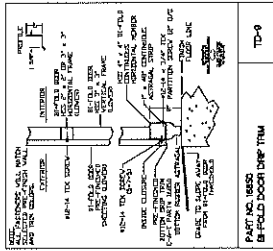
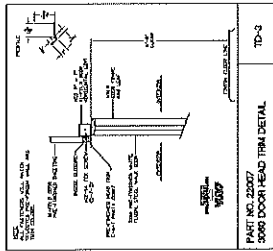
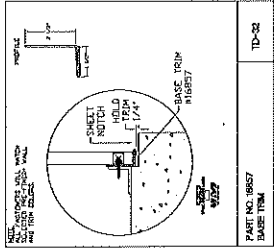
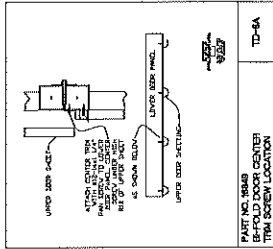
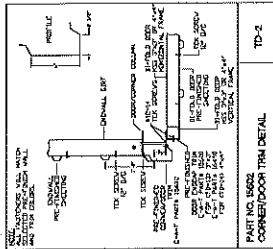
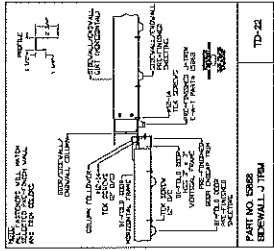
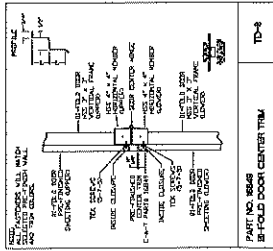
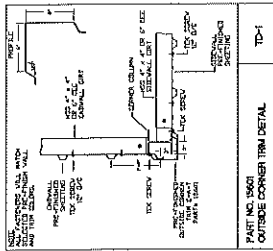
ELECTRICALLY OPERATED BI-FOLD DOOR/CORNER TRIM DETAIL

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

DATE: 11-15-24

PROJECT: 580-701-08

PAGE 9 OF 9



"BUY AMERICAN"

EMERALD TRIM LABEL

EMERALD TRIM COMPANY
 15600 W. 130th Street
 Overland Park, MO 66204

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TO UNIT: INS-45

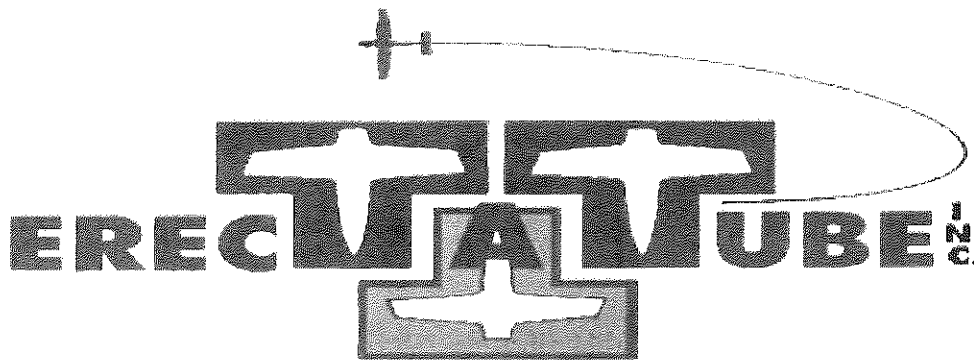
TRIM: TD-DETAILS

DATE: 11/15/83

REV: 11/15/83

9 OF 9





Aircraft Hangar Specialists
800-624-9219

DESIGN CALCULATIONS

FOR JOB NO.

E 8206

10 N60-45

NEW TECH CORPORATION
c/o ELKHART MUNICIPAL AIRPORT

ELKHART, IN 46514

Entry Date: October 28, 2024

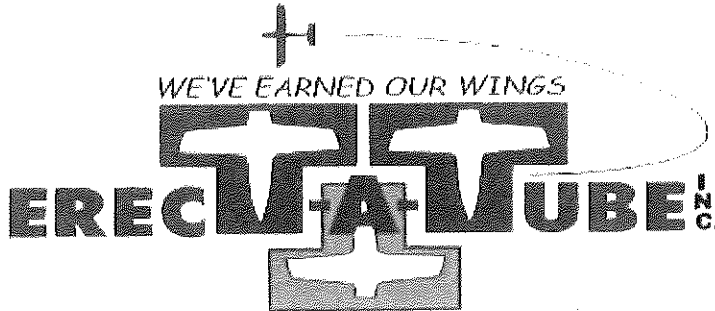
Rev. 01:



11-19-24
Exp. 7-31-26

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Nested Tee Hangar Job Pack



P.O. Box 100 • Harvard, IL 60033-0100
 815/943-4091 or 800/624-9219 Fax: 815/943-4095
 www.erec-t-a-tube.com

Entry Date: October 28, 2024
 Rev. 01:

Sheet:

Model No: N60-45
 No. of Units: 10

Job No. E 8206

Customer To: NEW TECH CORPORATION

Address: 9896 W 300 N. BUILDING C
 City, State, Zip Code: MICHIGAN CITY, IN 46360
 Customer Contact: SHANE OSBORNE
 Phone No: 219-263-6683
 Fax No:
 Cell No:
 Email : shaneo@newtechcorp.io

Ship To: ELKHART MUNICIPAL AIRPORT

Address: 1211 COUNTY ROAD 6
 City, State, Zip Code: ELKHART, IN 46514
 Jobsite Contact:
 Phone No:
 Fax No:
 Cell No:
 Email :

Slope of Gable Roof System	x / 12	Roof Pitch Degrees	Secant
Roof Pitch	1.0	4.76	1.003

Quantity of Units	10
-------------------	----

**45'-0" x 14'-0" CLEAR
 ERECT-A-TUBE BIFOLD DOORS**

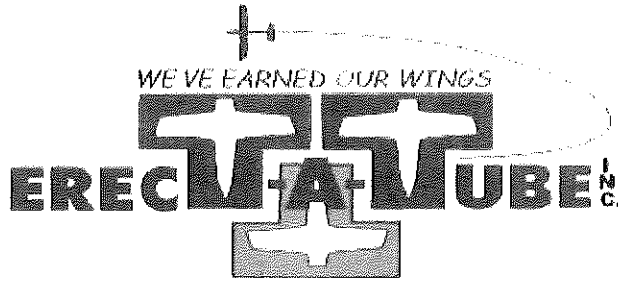
	Decimals of a Foot
Eave Height, ft	16.50
Peak Height, ft	19.00
Mean Roof Height, ft	17.75
Width, W ft	60.00
Length, L ft	247.50
Bifold Width, ft	45.00
Sidewall	22.50
SL - CL WF Column	0.25
Trans. Wingbay CL - CL	21.00
Trans. Tailbay CL - CL	18.00
Long. Full Tailbay CL - CL	22.50
Long. Half Tailbay CL - CL	11.25

1	→ No. of Floor Sockets Per Door
78.41	→ Bifold Door Weight, lb/ft (Include weight of door truss)

Building Code:	2014 INBC (2012 IBC)
Building Use Group:	S-1
Building Risk Category:	II
Ground Snow Load	25
Ult. Design Wind Speed, Vult. = Nominal Wind Speed, Vasd =	115 89 mph
Exposure Category	C

NOTES:

2014 INBC (2012 IBC) = 2014 INDIANA BUILDING CODE
 (2012 INTERNATIONAL BUILDING CODE)



P.O. Box 100 • Harvard, IL 60033-0100
 815/943-4091 or 800/624-9219 Fax: 815/943-4095
 www.erec-a-tube.com

Entry Date: October 28, 2024
 Rev. 01:

Shoot:

Model No: N60-45
 No. of Units: 10

Job No. E B206

Project: ELKHART MUNICIPAL AIRPORT

Building Code: 2014 INBC (2012 IBC)

Location: ELKHART, IN 46514

ASCE 7-10: Snow Loads:

Ground Snow Load (P_g) =	25 psf	Is $P_g \leq 20$ psf ?	NO
		If $P_g \leq 20$ psf, then $P_f = (I) \times P_g =$	25.0 psf
		If $P_g > 20$ psf, then $P_f = 20 \times (I) =$	20.0 psf
Importance Factor For Snow (I_{snow}) =	1.0	Building Risk Category =	II
Thermal Factor (C_t) =	1.2	Unheated Building	
Exposure Factor (C_e) =	1.0	Partially Exposed (Exposed Roof)	
Design Roof Snow Load (P_s) =	21.0 psf	[Balanced]	
Design Roof Snow Load (P_s) =	29.7 psf	[Unbalanced]	
Minimum Roof Live Load =	20.0 psf		
Controlling Roof Load =	21.0 psf	[Balanced]	
Controlling Roof Load =	29.7 psf	[Unbalanced]	
Roof Dead Load =	3.0 psf		
Roof Collateral Load =	0.0 psf		
Additional Load =	0.0 psf		
Total DL+CL+ADD Load =	3.00 psf		
Total Design Roof Load =	24.00 psf	[Balanced]	
Total Design Roof Load =	32.71 psf	[Unbalanced]	

Unbalanced Snow Loads:

Larger of 2.38 degrees or $70W + 0.5 =$	2.83	Unbal. Snow Loads Must Be Applied Roof Slope between 1:12 and 6:12 psf
Smaller of 30 deg or	2.38	
Windward Snow Load =	6.3	
Leeward Snow Load:		
Case 1 $W < 20' =$	25	psf Use Case 2
Case 2 <i>Other:</i>		
Leeward snow load from ridge to	8.71 ft =	29.71 psf
Leeward snow load from	8.71 ft to eave =	21.00 psf

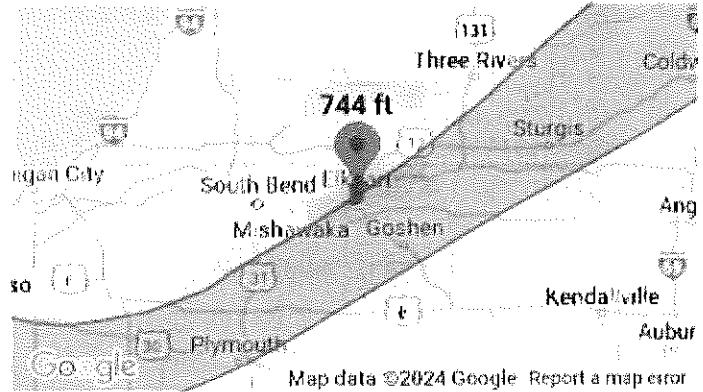
⚠ This is a beta release of the new ATC Hazards by Location website. Please contact us with feedback.

🔊 The ATC Hazards by Location website will not be updated to support ASCE 7-22. Find out why.

ATC Hazards by Location

Search Information

Address: Elkhart, IN, USA
 Coordinates: 41.6873832, -85.973517
 Elevation: 744 ft
 Timestamp: 2024-11-13T22:37:45.646Z
 Hazard Type: Snow



ASCE 7-16

Ground Snow Load 25 lb/sqft

ASCE 7-10

Ground Snow Load 25 lb/sqft

ASCE 7-05

Ground Snow Load 25 lb/sqft

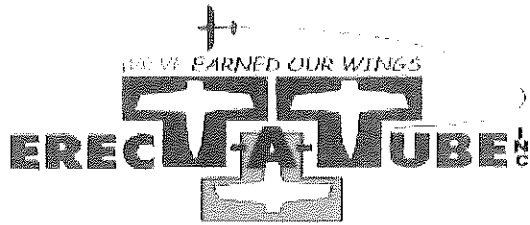
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Disclaimer

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Entry Date: October 28, 2024
 Rev. 01:

Sheet:

Job No. E 8208

Model No: N00-16
 No. of Units: 10

Project Data and Design Information:

Project: ELKHART MUNICIPAL AIRPORT
 Location: ELKHART, IN 46514
 Design Code: 2014 INBC (2012 IBC)

Wind Analysis: ASCE 7-10 - Envelope Procedure (h≤60ft)

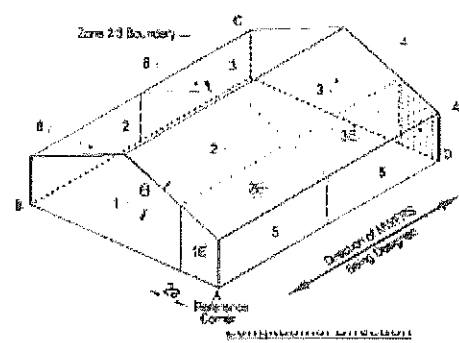
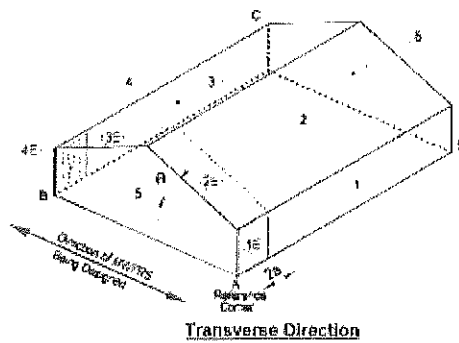
Eave Height= 16.50 ft
 Roof Pitch= 1:00 TO 12 in.
 Building Width= 60.00 ft
 Building Length= 247.50 ft
 Roof Angle= 4.76 deg.
 Mean Roof Height= 17.75 ft

Design Factors:

Ult. Design Wind Speed, Vult. = 115 mph ULTIMATE
 Nominal Wind Speed, Vasd = 89 mph NOMINAL (ASD)
 Exposure Category C
 Directionality Factor Kd = 0.85
 Importance Factor, I wind = 1.00
 Vel. Pressure Exp. Coef. Kh = 0.680
 Topographic Factor Kzt = 1.0
 Gust Effect Factor G = 0.95

Enclosure Classification:

Enclosure Type Enclosed Building
 Internal Pressure Coef. Gcpi = 0.18 plus/minus
 Base Pressure Qh = 25.3 psf ULTIMATE
 Base Pressure Qh = 16.2 psf NOMINAL (ASD)
 Edge Strip (a) = 6.0 ft
 End Zone = 12.0 ft



Wind Surface Pressures (psf) - (Ultimate):

Surface	Wind Pressures	
	neg. Gcpi	pos. Gcpi
1	14.88	5.57
2	-12.91	-22.02
3	-4.81	-13.92
4	-2.78	-11.80
5	-6.83	-15.95
6	-6.83	-15.95
1E	19.99	10.88
2E	-22.53	-31.64
3E	-8.86	-17.97
4E	-6.33	-15.44

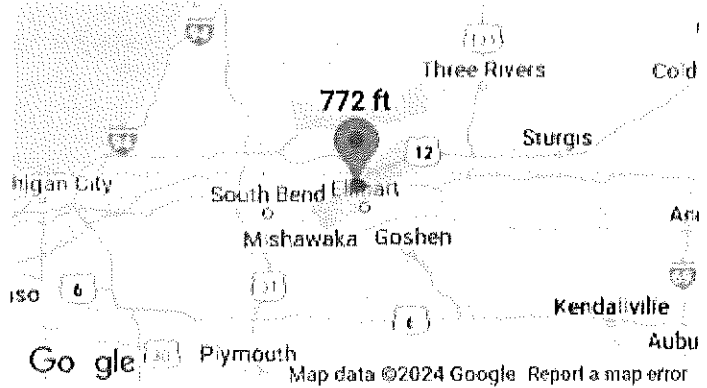
⚠ This is a beta release of the new ATC Hazards by Location website. Please contact us with feedback.

🔔 The ATC Hazards by Location website will not be updated to support ASCE 7-22. [Find out why.](#)

ATC Hazards by Location

Search Information

Coordinates: 41.7194062, -86.003219
 Elevation: 772 ft
 Timestamp: 2024-11-13T16:44:58.307Z
 Hazard Type: Wind



ASCE 7-16		ASCE 7-10		ASCE 7-05	
MRI 10-Year	74 mph	MRI 10-Year	76 mph	ASCE 7-05 Wind Speed	90 mph
MRI 25-Year	80 mph	MRI 25-Year	84 mph		
MRI 50-Year	85 mph	MRI 50-Year	90 mph		
MRI 100-Year	91 mph	MRI 100-Year	96 mph		
Risk Category I	100 mph	Risk Category I	105 mph		
Risk Category II	107 mph	Risk Category II	115 mph		
Risk Category III	114 mph	Risk Category III-IV	120 mph		
Risk Category IV	119 mph				

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Disclaimer

Hazard loads are interpolated from data provided in ASCE 7 and rounded up to the nearest whole integer. Per ASCE 7, islands and coastal areas outside the last contour should use the last wind speed contour of the coastal area – in some cases, this website will extrapolate past the last wind speed contour and therefore, provide a wind speed that is slightly higher. NOTE: For queries near wind-borne debris region boundaries, the resulting determination is sensitive to rounding which may affect whether or not it is considered to be within a wind-borne debris region.

Mountainous terrain, gorges, ocean promontories, and special wind regions shall be examined for unusual wind conditions.

KEKM Elkhart Municipal Airport

Elkhart, Indiana, USA



GOING TO ELKHART?



Reserve a Hotel Room

FAA INFORMATION EFFECTIVE 31 OCTOBER 2024

Location

FAA Identifier: EKM

Lat/Long: 41-43-09.8622N 086-00-11.5883W

41-43.164370N 086-00.193138W

41.7194062, -86.0032190

(estimated)

Elevation: 777.6 ft. / 237.0 m (surveyed)

Variation: 04W (2005)

From city: 3 miles NW of ELKHART, IN

Time zone: UTC -4 (UTC -5 during Standard Time)

Zip code: 46514

Airport Operations

Airport use: Open to the public

Activation date: 04/1940

Control tower: yes

ARTCC: CHICAGO CENTER

FSS: TERRE HAUTE FLIGHT SERVICE STATION

NOTAMs facility: EKM (NOTAM-D service available)

Attendance: 0600-2200

Wind indicator: lighted

Segmented circle: yes

Lights: ACTVT MALSR RWY 27; REIL RWY 09, 18 & 36; VASI RWY 09 & 36; PAPI RWY 18 & 27 - CTAF. WHEN ATCT CLSD HIRL RWY 09/27; MIRL RWY 18/36 PRESET LOW INTST; INCR INTST - CTAF.

Beacon: white-green (lighted land airport)

Operates sunset to sunrise.

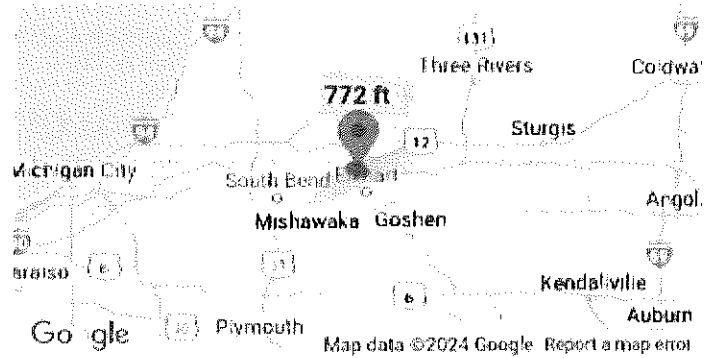
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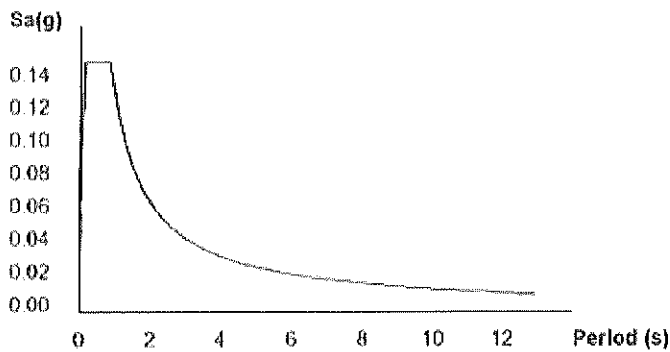
ATC Hazards by Location

Search Information

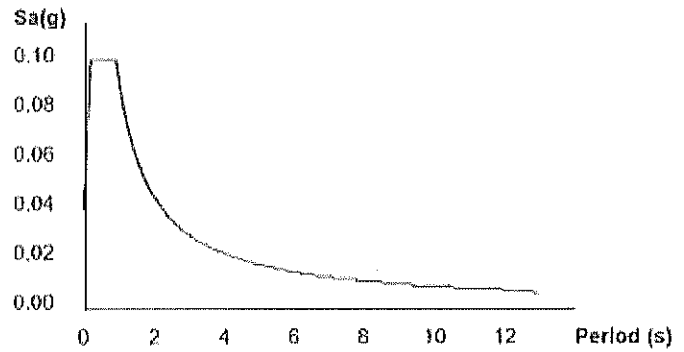
Coordinates: 41.7194062, -86.003219
 Elevation: 772 ft
 Timestamp: 2024-11-13T16:47:20-459Z
 Hazard Type: Seismic
 Reference Document: IBC-2012
 Risk Category: II
 Site Class: D



MCE_R Horizontal Response Spectrum



Design Horizontal Response Spectrum



Basic Parameters

Name	Value	Description
S _{0.2}	0.095	MCE _R ground motion (period=0.2s)
S ₁	0.056	MCE _R ground motion (period=1.0s)
S _{MS}	0.152	Site-modified spectral acceleration value
S _{M1}	0.134	Site-modified spectral acceleration value
S _{DS}	0.101	Numeric seismic design value at 0.2s SA
S _{D1}	0.089	Numeric seismic design value at 1.0s SA

Additional Information

Name	Value	Description
SDC	B	Seismic design category
F _a	1.6	Site amplification factor at 0.2s

F_v	2.4	Site amplification factor at 1.0s
CR_S	0.917	Coefficient of risk (0.2s)
CR_1	0.874	Coefficient of risk (1.0s)
PGA	0.043	MCE_G peak ground acceleration
F_{PGA}	1.6	Site amplification factor at PGA
PGA_M	0.07	Site modified peak ground acceleration
T_L	12	Long-period transition period (s)
S_{SRT}	0.095	Probabilistic risk-targeted ground motion (0.2s)
S_{SUH}	0.103	Factored uniform-hazard spectral acceleration (2% probability of exceedance in 50 years)
S_{SD}	1.6	Factored deterministic acceleration value (0.2s)
S_{1RT}	0.056	Probabilistic risk-targeted ground motion (1.0s)
S_{1UH}	0.064	Factored uniform-hazard spectral acceleration (2% probability of exceedance in 50 years)
S_{1D}	0.6	Factored deterministic acceleration value (1.0s)
PGAd	0.6	Factored deterministic acceleration value (PGA)

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Disclaimer

Hazard loads are provided by the U.S. Geological Survey [Seismic Design Web Services](#).

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SEISMIC:

$$W_{EQ} = (60' \times 247.5' \times \frac{7 \text{ pcf}}{1000}) = \underline{103.95 \text{ K}}$$

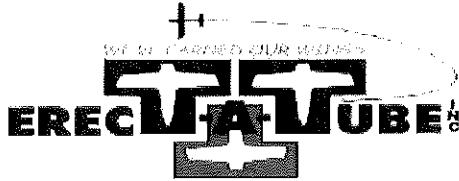
SITE CLASS = 'D'

$$\left. \begin{aligned} S_{D5} &= 0.101 g \\ S_{D1} &= 0.089 g \end{aligned} \right\} \Rightarrow \underline{SDC = 'B'}$$

$$\therefore C_s = \frac{S_{D5}}{R_{H}} ; R = 3.25, I = 1.0, \Omega_0 = 2.0$$

$$= \frac{0.101}{(3.25/1)} = \underline{0.0311}$$

$$2 \text{ of } 2 \rightarrow V = C_s W_{EQ} = 324 \text{ K}, \quad V_{ASD} = (0.7) V = \underline{2.3 \text{ K}}$$



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ERECT-A-TUBE, INC.
 701 W. PARK STREET P.O. BOX 100
 HARVARD, ILLINOIS 60033-0100
 815-943-4091 FAX 815-943-7756

Entry Date: October 28, 2024
 Rev. 01:

Job No. E 8206

Customer Name: NEW TECH CORPORATION

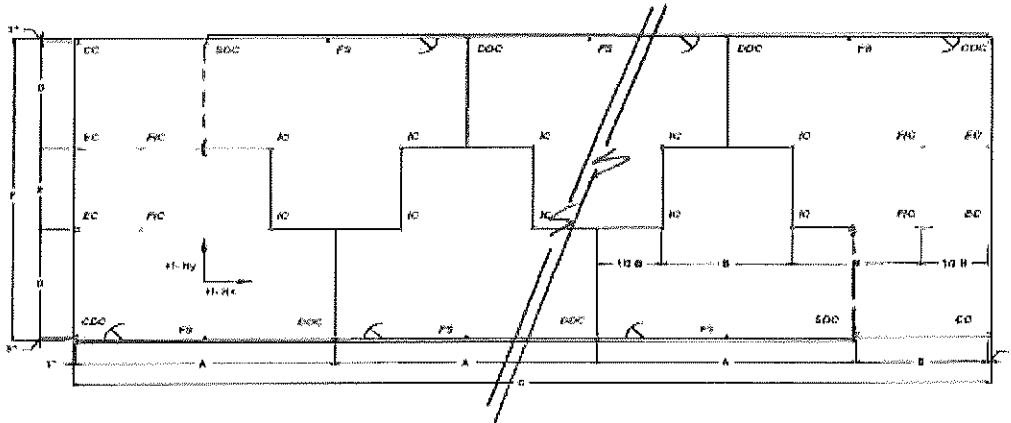
Project Name: ELKHART MUNICIPAL AIRPORT

Model No: N80-46
 No. of Units: 10

Project Location: ELKHART, IN 46514

Dim.	Feet	Description
A	45.00	Bifold Width
B	22.50	Sidewall Length
C	248.00	Sidewall SL - SL
D	21.00	Trans. Wingbay CL - CL
E	10.00	Trans. Tailbay CL - CL
F	60.50	Endwall Width SL - SL
	18.50	Eave Height
	1:12	Roof Pitch
Ult. Design Wind Speed, Vult =		115 mph, 3 second gust
Nominal Wind Speed, Vnom =		89 mph, 3 second gust
Exposure		C

2014 INBC (2012 IBC)	Model Building Code
25.00	psf Ground Snow Load Per Map
21.00	psf Roof Live/Snow Load, Balanced
1.00	Importance Factor
1.00	Exposure Factor
5-1	Building Use Group
1.20	Unheated Building
II	Building Risk Category
3.00	psf Dead Load
0.00	psf Collateral Load
0.00	psf Additional Load
24.00	psf Total Roof Load, balanced
32.71	psf Total Roof Load, unbalanced



Out to out of concrete foundation	61.063 ft. by 248.583 ft.	Qty. of Piers	42
		Qty. of FS	10

Summary of Building Reactions... Allowable Stress Design (ASD) Loads.

Description	Key	Vdown - kips				LATERAL LOADS - kips		
		V _{DL}	V _{CL}	V _{LL}	V _{DL} +V _{LL} +V _{CL}	V _{up}	-H _x	-H _y
Endwall Columns	EC	0.33	0.00	3.28	3.69	1.83	2.31	2.31
First Interior Columns	FIC	0.99	0.00	9.70	10.76	5.82	1.70	2.20
Interior Columns	IC	1.32	0.00	13.04	14.35	9.70	1.70	2.20
Corner Columns	CC	0.44	0.00	4.39	4.83	2.03	1.47	1.58
Single Door Columns	SDC	2.74	0.00	9.65	12.39	3.69	0.91	1.45
Double Door Columns	DDC	4.95	0.00	14.04	18.99	6.00	0.91	1.95
Corner Door Columns	CDC	2.47	0.00	7.02	9.49	2.30	1.47	1.58
Floor Sockets	FS	N/A	N/A	N/A	N/A	N/A	N/A	1.95

UNBALANCED SNOW LOADS ARE FIGURED INTO THE COLUMN REACTIONS

General Notes

- All reaction values are at ASD level and are in kips
- Any values less than a kip, use 1 kip.
- V_{up}, H_x and H_y are due to lateral load, worst case between wind and seismic
- All horizontal reactions can act positive or negative direction.
- All column base plates are design for four 3/4" diameter anchor bolts, for this complies with the OSHA Regulations of March 2003 for steel erection.
- All anchor bolts not provided by Erect-a-Tube, Inc.
- Floor sockets are an embedment supplied by Erect-A-Tube, Inc.
- Concrete C.S. to be 3,000 p.s.i. minimum at age 30 days. Refer to bid specifications.

Entry Date: October 28, 2024
Rev. 01:



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Project: ELKHART MUNICIPAL AIRPORT
Location: ELKHART, IN 46514

Job Number: E 8206

Design Code: 2014 INBC (2012 IBC)

Model No: N60-45
No. of Units: 10

STRUCTURAL DESIGN CALCULATIONS FOR BUILDING MEMBERS AND COMPONENTS

(1) COLUMNS

Interior Columns

Compressive Load =	14.47	kips	Try Column Size:	4x4x.120
Tensile Load =	9.83	kips	Fy =	46 ksi
Roof Eaves Height =	16.60	feet	Design X-sec Area =	1.77 sq in.
Mean Roof Height =	17.75	feet	Column Self Weight =	0.45 lb/ft
Lateral wind load, w =	0.24	klf	rx =	1.50 inch
Lx =	6.50	ft	ry =	1.54 inch
Ly =	6.50	ft	W _{pl} /max =	41.77
λ =	31.60		Ap =	28.12
Zx =	2.56	cu in.	Sx =	2.34 cu in.
ft =	9.44	ksi	Lb =	5.80 inch
fa =	0.17	ksi	M _r =	0.69 k-ft
fb =	4.57	ksi	M _p =	0.81 k-ft
F _{ce} =	164.02	ksi	M _c =	9.35 k-ft
F _{cr} =	40.81	ksi	Eqn. (F 2-2)	
F _t =	27.40	ksi	fa/F _{cr} =	0.20
CSR Tension/Bending =	0.31	Design Ok	CSR Axial/Bending =	0.48 Design Ok

USE: 4x4x.120 HSS GRADE 46 INTERIOR COLUMNS

First Interior Column

Compressive Load =	10.93	kips	Try Column Size:	4x4x3/16
Tensile Load =	0.82	kips	Fy =	46 ksi
Roof Eaves Height =	10.50	feet	Design X-sec Area =	2.58 sq in.
Mean Roof Height =	17.75	feet	Column Self Weight =	0.40 lb/ft
Lateral wind load, w =	0.00	klf	rx =	1.54 inch
Lx =	17.75	ft	ry =	1.54 inch
Ly =	17.75	ft	W _{pl} /max =	138.31
λ =	20.00		Ap =	28.12
Zx =	3.67	cu in.	Sx =	3.30 cu in.
ft =	2.26	ksi	Lb =	17.75 inch
fa =	4.24	ksi	M _r =	2.79 k-ft
fb =	10.13	ksi	M _p =	14.07 k-ft
F _{ce} =	14.96	ksi	M _c =	13.29 k-ft
F _{cr} =	12.70	ksi	Eqn. (F 2-2)	
F _t =	27.60	ksi	fa/F _{cr} =	0.33
CSR Tension/Bending =	0.60	Design Ok	CSR Axial/Bending =	0.87 Design Ok

USE: 4x4x3/16 HSS GRADE 46 INTERIOR COLUMNS

Entry Date: October 28, 2024
Rev. 01:



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Project: ELKHART MUNICIPAL AIRPORT
Location: ELKHART, IN 46514

Job Number: E 8206

Design Code: 2014 INBC (2012 IBC)

Model No: N60-45
No. of Units: 10

STRUCTURAL DESIGN CALCULATIONS FOR BUILDING MEMBERS AND COMPONENTS

Double Door Columns

Axial Load, P =	19.10	kips	Column Self Weight =	20	lb/ft
Tensile load, T =	6.00	kips	Jc =	0.24	in ⁴
Wind load (klf) =	0.47	klf	ho =	8.64	in
Roof Eaves Height =	16.50	feet	Fu =	65.00	ksi
Mean Roof Height =	17.75	feet	ra =	1.66	in
Lx =	6.50	ft	Lp =	5.30	ft
Ly =	14.50	ft	rt =	1.64	inch
Moment =	11.66	k-ft	Zx =	14.90	cu. in.
Try Column Size:	W8x20		Lb =	14.50	ft
Fy =	50	ksi	ry =	1.50	inch
Area =	5.87	sq.in.	Mp =	02.06	k-ft
Sx =	13.4	cu.in.	Kty =	140.00	
Lx =	17.44	ft	Mu(L/TU) = FuSx =	20.87	k-ft
rx =	2.66	inch	Mc = Mu/Ob =	12.50	k-ft
Mx =	11.66	k-ft	Ia/Fa =	0.17	
KUlx =	24.81		EI = FuAg/0	90.78	k
Mqnon-comp (kips-ft) =	59.92	k-ft			
q =	1.02	ksi			
qb =	10.44	ksi			
qb =	3.25	ksi			
IyM =	109.10	ksi			
F'c =	21.27	ksi			
F'c =	16.00	ksi			
CSR Tension/Bending =	0.60	Design Ok	CSR Axial/Bending =	0.07	Design Ok

USE: W8x20 WF GRADE 50 DOUBLE DOOR COLUMNS

Entry Date: October 28, 2024
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Project: ELKHART MUNICIPAL AIRPORT
Location: ELKHART, IN 46514

Job Number: E 8206

Design Code: 2014 INBC (2012 IBC)

Model No: N80-45
No. of Units: 10

STRUCTURAL DESIGN CALCULATIONS FOR BUILDING MEMBERS AND COMPONENTS

Endwall columns

Axial Load, P =	3.85	kips	Try Column Size:	6x6x3/16	
Tensile Load, T =	1.68	kips	Fy =	46	ksi
Wind load (k/ft) =	0.31	k/ft	Design X-sec Area =	3.98	sq in
Roof Eaves Height =	16.50	feet			
Mean Roof Height =	17.75	feet	Column Self Weight =	14.51	lb/ft
Lx =	17.75	feet	Lb =	17.75	ft
Ly =	5.50	feet	ry =	2.35	inch
Moment, M =	12.13	k-ft	Zx =	8.63	cu in
rx =	2.36	inch	Kly =	21.97	
sx =	7.93	cu in			
Kl/rx =	90.25		My =	12.13	k-ft
			Mp =	33.68	k-ft
fb =	0.47	ksi	Mc =	18.93	k-ft
fb =	16.35	ksi			
fb =	0.97	ksi	fa/fa =	0.04	
Fyb =	35.10	ksi			
Fyb =	26.59	ksi			
Ft =	27.60	ksi			
CSR Tension/Bending =	0.51	Design OK	CSR Axial/Bending =	0.67	Design OK

USE: 6x6x3/16 HSS GRADE 46 END WALL COLUMNS

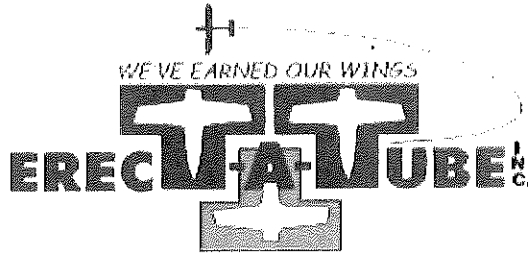
Entry Date: October 28, 2024
Rev. 01:

Project: ELKHART MUNICIPAL AIRPORT
Location: ELKHART, IN 46514

Job Number: E 8206

Design Code: 2014 INBC (2012 IBC)

Model No: N60-45
No. of Units: 10



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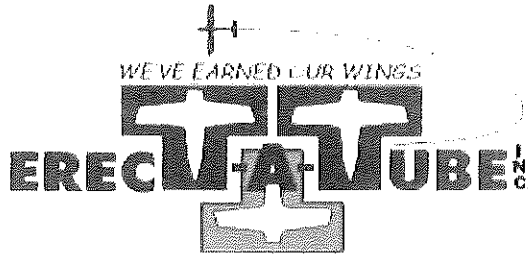
STRUCTURAL DESIGN CALCULATIONS FOR BUILDING MEMBERS AND COMPONENTS

Single Door Columns

Axial Load, P =	12.75	kips	Try Column Size:	W6x20	
Tensile Load, T =	3.89	kips	Fy =	50	ksi
Wind load, (lateral) (dlf) =	0.35	k/ft	Area =	5.67	sq.ft
Wind load, (longitud) (dlf) =	0.17	k/ft	Column Self Weight =	28	lb/ft
Roof Eaves Height =	16.50	feet	Fu =	65.00	ksi
Mean Roof Height =	17.75	feet	ho =	5.84	in
Lx =	17.76	feet	ris =	1.7	in
Ly =	6.60	feet	Jc =	0.24	in ⁴
Moment due to Wind, Mx =	13.93	k-ft	ip =	5.30	in
Moment due to wind, My =	0.59	k-ft	tr =	30.71	in
ft =	0.66	ksi	Ub =	17.75	in
Zx =	14.9	cu. in.	Sx =	13.4	cu.in.
Mp =	62.08	k-ft	Mr =	13.93	k-ft
rt =	1.64	inch	Sy =	4.41	cu.in.
ris =	1.7	inch	ry =	1.6	inch
rx =	2.66	inch			
Mr(non-comp flange) =	50.92	k-ft	Mcx =	29.62	k-ft
Max = Fc/Sx =	48.46	k-ft	Mcy =	8.70	k-ft
My = Fc/Sy =	14.53	k-ft			
Krx =	80.00		Kry =	44.00	
fa =	2.17	ksi			
fb =	12.47	ksi			
Ftb =	48.46	ksi	lyrt =	40.24	
Fte =	147.83	ksi	faFa =	0.06	
Fcr =	43.40	ksi			
Fcr,t =	43.40	ksi			
CSR Tension/Bonding =	0.30	Design OK	CSR Axial/Bonding =	0.50	Design OK

USE: W6x20 WF GRADE 50 SINGLE DOOR COLUMNS

Entry Date: October 28, 2024
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Project: ELKHART MUNICIPAL AIRPORT
Location: ELKHART, IN 46514

Job Number: E 8200

Design Code: 2014 INBC (2012 IBC)

Model No: N60-45
No. of Units: 10

STRUCTURAL DESIGN CALCULATIONS FOR BUILDING MEMBERS AND COMPONENTS

Corner Door Columns

Axial Load, P =	9.65	kips	Try Column Size:	W6x20	
Tensile Load, T =	2.30	kips	Fy =	50	ksi
Wind load, (lateral) (H) =	0.39	k/ft	Area =	5.87	sq. ft.
Wind load, (longitud) (H) =	0.17	k/ft	Column Self Weight =	20	lb/ft
Roof Eaves Height =	16.50	feet			
Main Roof Height =	17.75	feet			
Lx =	5.00	feet	Fu =	65.00	ksi
Ly =	14.60	feet	ho =	5.84	in
Moment due to Wind, Mx =	9.34	k-ft	rtx =	1.7	in
Moment due to wind, My =	0.52	k-ft	Jc =	0.24	in ⁴
rx =	0.39	ksi	Lp =	5.30	ft
Lr =	39.71	ft	Lb =	14.50	ft
Zx =	14.9	cu. in	Sx =	13.4	cu. in.
Mp =	62.08	k-ft	Mx =	9.34	k-ft
dt =	1.64	inch	rtx =	1.7	inch
rx =	2.66	inch	Sy =	4.41	cu. in.
			ry =	1.5	inch
Mn(non-comp flange) =	59.82	k-ft	Mox =	12.56	k-ft
Mnx = FcrSx =	20.87	k-ft	My =	8.70	k-ft
Mny = FcrSy =	14.53	k-ft			
fb =	8.36	ksi	K1rx =	22.56	
fa =	1.66	ksi	K1ry =	116.00	
F'p =	20.87	ksi	ly/rl =	106.10	
F'c =	21.27	ksi	fa:Fa =	0.15	
Fcr =	18.69	ksi			
Fcr,t =	18.69	ksi			
CSR Tension/Bending =	0.68	Design OK	CSR Axial/Bending =	0.68	Design OK

USE: W6x20 WF GRADE 50 CORNER DOOR COLUMNS

Entry Date: October 28, 2024
Rev. 01:

Project: ELKHART MUNICIPAL AIRPORT
Location: ELKHART, IN 46514

Job Number: E 8206

Design Code: 2014 INBC (2012 IBC)

Model No: N60-45
No. of Units: 10



STRUCTURAL DESIGN CALCULATIONS FOR BUILDING MEMBERS AND COMPONENTS

Corner Columns

Axial Load, P =	5.10	kips
Tensile Load, T =	2.03	kips
Wind load, (lateral) (k/ft) =	0.18	k/ft
Wind load, (longitud) (k/ft) =	0.17	k/ft
Roof Eaves Height =	16.50	feet
Mean Roof Height =	17.75	feet
Lx =	5.50	feet
Ly =	5.50	feet
Moment due to Wind, Mx =	0.67	k-ft
Moment due to wind, My =	0.63	k-ft
rx =	0.46	ksi
Lx =	25.25	ft
Zx =	10.8	cu. in
Mp =	45.00	k-ft
rx =	1.61	inch
ry =	2.56	inch
Mn (non comp flange) =	43.43	k-ft
Max = FcrSx =	34.58	k-ft
My = FcrSy =	10.24	k-ft
fb =	0.83	ksi
fa =	1.18	ksi
Fb =	34.88	ksi
Fx =	140.05	ksi
Fcr =	43.06	ksi
Fcr,t =	43.06	ksi

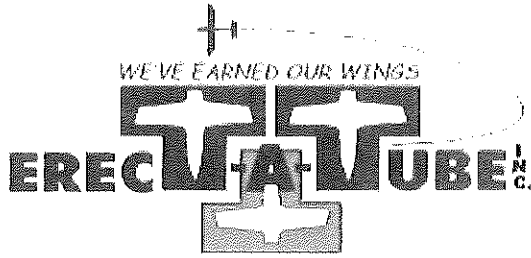
Try Column Size:	W6x15	
Fy =	50	ksi
Area =	4.43	sq in
Column Self Weight =	15	lb/ft
Fu =	65.00	ksi
ho =	5.73	in
rtx =	1.66	in
Jc =	0.101	in ⁴
Ip =	5.16	in ⁴
Lb =	5.50	ft
Sx =	9.72	cu in
Wt =	0.67	k-ft
rtz =	1.66	inch
Sy =	3.11	cu in
ry =	1.46	inch

Mcx =	28.89	k-ft
Mcy =	6.13	k-ft
K1Kx =	25.78	
K1Ky =	45.21	
γm1 =	40.99	
tcFa =	0.05	

CSR Tension/Bending = 0.04 Design OK CSR Axial/Bending = 0.16 Design OK

USE: W6x15 WF GRADE 50 CORNER COLUMNS

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 Location: ELKHART, IN 46514

Job Number: E 8206

Design Code: 2014 INBC (2012 IBC)

Model No: N60-45
 No. of Units: 10

STRUCTURAL DESIGN CALCULATIONS FOR BUILDING MEMBERS AND COMPONENTS

(2) ROOF AND WALL SHEETING

Roof Sheeting (Metal Sales/McElroy)

Roof Live Load =	29.71	psf		
Vertical roof load =	18.98	psf	...end zone..	ASD Uplift
Vertical roof load =	13.21	psf	...Interior zone...	ASD Uplift
Panel Type =	MS PBR-Panel 26ga, 80ksi		Max Purlin Spacing =	6 feet
Allowable Gravity Load =	49	psf		
Allowable Suction Load =	40	psf		
Panel Sheet Wt =	0.91	psf		
Actual Gravity Load =	30.62	psf		
Actual Suction Load =	19.07	psf	Design Ok	

USE: MS PBR-Panel 26ga, 80ksi - 3 or more equal spans @ 6 ft o.c.

Exterior Wall Sheeting (Metal Sales/McElroy)

Pos. Wind Load =	15.79	psf	...ASD	
Neg. Wind load =	10.48	psf	...ASD	
Sheeting Material =	MS PBR-Panel 26ga, 80ksi		Max Girt Spacing =	6 feet
Allowable Gravity Load =	35	psf		
Allowable Suction Load =	28	psf		
Panel Sheet Wt =	0.91	psf		
Actual Gravity Load =	15.79	psf		
Actual Suction Load =	10.48	psf	Design Ok	

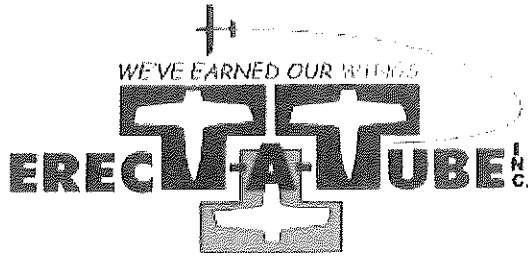
USE: MS PBR-Panel 26ga, 80ksi - 3 or more equal spans @ 6 ft o.c.

Interior Wall Sheeting (Metal Sales/McElroy)

Pos. Wind Load =	5.00	psf		
Neg. Wind load =	5.00	psf		
Sheeting Material =	MS Pro-Panel II 26ga, 80ksi		Max Girt Spacing =	6 feet
Allowable Gravity Load =	8	psf		
Allowable Suction Load =	6	psf		
Panel Sheet Wt =	0.87	psf		
Actual Gravity Load =	5.00	psf		
Actual Suction Load =	5.00	psf	Design Ok	

USE: MS Pro-Panel II 26ga, 80ksi - 3 or more equal spans @ 6 ft o.c.

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 Location: ELKHART, IN 46514

Job Number: E 8206

Design Code: 2014 INBC (2012 IBC)

Model No: N60-45
 No. of Units: 10

STRUCTURAL DESIGN CALCULATIONS FOR BUILDING MEMBERS AND COMPONENTS

(3) PURLINS

Roof Purlins, LGSi, Light Gauge Structural Institute Design-Max (Long) Lap

Purlin span =	22.50	ft	
Total Design Roof Load =	24.00	psf	... [balanced]
Total Design Roof Load =	32.71	psf	... [unbalanced]
uplift (wind) load =	18.98	psf	
Purlin Spacing =	4.83	ft o.c.	

Check Deck Span = 6 ft
 Design OK

Try Purlin Size = 8x2.5x12ga / 6-Span / Max Lap

Ix = 13.46 in⁴
 Deflection = 1.00 inches

Table Load @ Span = 249.26 plf

Ratio = U 270
 Design OK

actual gravity load =	158.01	plf	Design Ok
actual uplift load =	91.89	plf	Design Ok

USE: 8x2.5x12ga / 6-Span / Max Lap z purlins @ 4.83 ft. o.c.

Roof Purlins, LGSi, Light Gauge Structural Institute Design-Max (Long) Lap

Purlin span =	11.25	ft	
Total Design Roof Load =	24.00	psf	... [balanced]
Total Design Roof Load =	32.71	psf	... [unbalanced]
uplift (wind) load =	18.98	psf	
Purlin Spacing =	4.83	ft. o.c.	

Check Deck Span = 5 ft
 Design OK

Try Purlin Size = 8x2.5x16ga / 6-Span / Max Lap

Ix = 7.19 in⁴
 Deflection = 0.12 inches

Table Load @ Span = 321.00 plf

Ratio = U 1153
 Design OK

actual gravity load =	158.01	plf	Design Ok
actual uplift load =	91.89	plf	Design Ok

USE: 8x2.5x16ga / 6-Span / Max Lap z purlins @ 4.83 ft. o.c.

Entry Date: October 28, 2024
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Job Number: E 8206

Design Code: 2014 INBC (2012 IBC)

Model No: N60-45
No. of Units: 10



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STRUCTURAL DESIGN CALCULATIONS FOR BUILDING MEMBERS AND COMPONENTS

(4) RAFTERS

Endwall Roof Rafter Design - Typ.

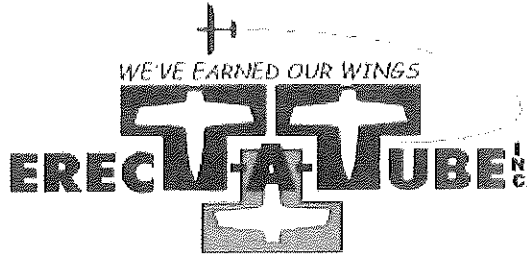
Rafter Length =	21	ft			
Roof Live load =	21.00	psf	...	{balanced}	
Roof Live load =	29.71	psf	...	{unbalanced}	
Roof DLoad =	3.00	psf			
Roof DLoad + CLoad =	3.00	psf			
Tributary Load Width =	5.825	ft			
Vertical wind load =	18.98	psf			
Lu (Top Flange) =	4.83	feet			
Lu (Bottom Flange) =	9.66	feet			
Cb =	1				
Deflection Limit =	240		1.05	in	
Rafter Selection:	W12x14				
Fy =	50	ksi	Jc =	0.07	in ⁴
b/2t =	8.62		ho =	11.70	in
Zx =	17.40	in ³	Sx =	14.90	in ³
(M _p /O _e) = (F _y Z _x)/(12x1.67) =	43.41	ft-k	tp =	2.66	ft
rt =	0.95	in	lt =	7.74	ft
ix =	88.60	in ⁴	ris =	0.66	in
Self Weight =	14	plf	rx =	4.62	in
			ry =	0.75	in
<u>Gravity Load</u>			Deflection Ratio = L/747		
moment balanced =	8.21	k-ft			Design OK
moment unbal =	10.92	k-ft	<u>Section of B/C</u>		
design moment used =	10.92	k-ft	design moment, M _{x,w} =	5.89	k-ft
TF l/r _t =	81.01		BF l/r _t =	122.02	
fb,g =	8.79	ksi	fb,w =	4.74	ksi
Deflection =	0.34	in	Deflection =	0.18	in
M _{cx,g} =	38.98	ft-k	M _{cx,w} =	14.70	ft-k
Stress Ratio =	0.23		Stress Ratio =	0.40	

Design Ok

Design Ok

USE: W12x14 GRADE 50 RAFTERS
w/ BOTTOM FLANGE BRACING EVERY 9.66 FEET

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Project: ELKHART MUNICIPAL AIRPORT
Location: ELKHART, IN 46514

Job Number: E 8206

Design Code: 2014 INBC (2012 IBC)

Model No: N60-45
No. of Units: 10

STRUCTURAL DESIGN CALCULATIONS FOR BUILDING MEMBERS AND COMPONENTS

Interior Roof Rafter Design - Typ.

Rafter Length =	20.50	ft	
Roof Live load =	21.00	psf	[balanced]
Roof Live load =	28.71	psf	[unbalanced]
Roof D.Load =	3.00	psf	
Roof Dead Load + C Load =	3.00	psf	
Tributary Load Width =	22.50	ft	
Vertical wind load =	13.25	psf	
Lu (Top Flange) =	4.83	feet	
Lu (Bottom Flange) =	9.66	feet	
Cb =	1		
Deflection Limit =	240	1.03	in

Rafter Selection:	W12x16		
Fy =	50	ksi	Jc = 0.10 in ⁴
I _{min} =	7.93	in ⁴	I _{eq} = 11.70 in ⁴
Zx =	20.10	in ³	Sx = 17.10 in ³
(Mp/Cb) = (FyZx)/(12x1.47) =	59.18	ft-k	Lp = 7.73 ft
rT =	0.96	in	L1 = 0.03 ft
Ix =	193.00	in ⁴	r _{ts} = 0.58 in
Self Weight =	16	plf	rx = 4.67 in
			ry = 0.77 in

Gravity Load		
moment balanced =	29.21	k-ft
moment unbal. =	39.51	k-ft
design moment M _{ox,g} =	39.51	k-ft
TF hit =	60.38	
fb =	27.72	ksi
Deflection =	1.00	in
M _{ox,w} =	42.11	ft-k
Stress Ratio =	0.69	

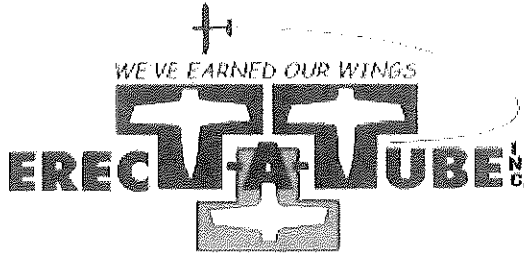
Design Ok

Deflection Ratio = L/245	
Design OK	
Suction of B/C	
design moment, M _{ox,w} =	15.62 k-ft
BF hit =	120.75
fb =	10.90 ksi
Deflection =	0.34 in
M _{ox,w} =	17.50 ft-k
Stress Ratio =	0.89

Design Ok

**USE: W12x16 GRADE 50 RAFTERS
w/ BOTTOM FLANGE BRACING EVERY 9.00 FEET**

Entry Date: October 28, 2024
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Location: ELKHART, IN 46514

Job Number: E 8206

Design Code: 2014 INBC (2012 IBC)

Model No: N60-45
No. of Units: 10

STRUCTURAL DESIGN CALCULATIONS FOR BUILDING MEMBERS AND COMPONENTS

(5) GIRTS

Wall Girts - End Walls

Max. Span =	21	feet
Max Wall Girt Spacing =	5.50	feet
Wind load =	15.79	psf
Loading =	66.66	plf
Moment =	4.51	k-ft
fb =	9.31	ksi
Fb [wind] =	27.60	ksi
		Design OK

Try Member Size:	6x4x3/16	
Fy	46	ksi
Sx =	5.81	cu in.
Ix =	17.40	in ⁴
Deflection =	0.75	inches
Ratio = L/335		OK
Max Deck Span =	6	
		Design OK

Max Wall Girt Spacing =	5.50	feet
Loading =	66.66	plf
Moment =	4.51	k-ft
fb =	19.88	ksi
Fb [wind] =	34.20	ksi
		Design OK

Try Member Size:	6x3.5x12ga CEE	
Fy	57	ksi
Sx =	2.91	cu in.
Ix =	8.73	in ⁴
Deflection =	1.50	inches
Ratio = L/168		OK
Max Deck Span =	6	
		Design OK

USE: HSS 6x4x3/16 GRADE 46 END WALL GIRTS
SPACED AT 5.50 FT. ON CENTER
OR
USE: 6x3.5x12ga CEE GRADE 57 END WALL GIRTS
SPACED AT 5.50 FT. ON CENTER

Wall Girts - End Walls

Max. Span =	18	feet
Max Wall Girt Spacing =	5.50	feet
Wind load =	15.79	psf
Loading =	66.66	plf
Moment =	3.52	k-ft
fb =	7.27	ksi
Fb [wind] =	27.60	ksi
		Design OK

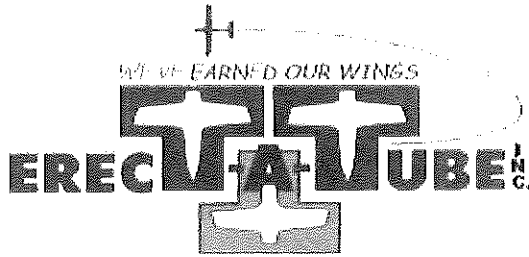
Try Member Size:	6x4x3/16	
Fy	46	ksi
Sx =	5.81	cu in.
Ix =	17.40	in ⁴
Deflection =	0.41	inches
Ratio = L/531		OK
Deck Span =	6	
		Design OK

Max Wall Girt Spacing =	5.50	feet
Loading =	66.66	plf
Moment =	3.52	k-ft
fb =	25.28	ksi
Fb [wind] =	34.20	ksi
		Design OK

Try Member Size:	6x3.5x16ga CEE	
Fy	57	ksi
Sx =	1.67	cu in.
Ix =	5.01	in ⁴
Deflection =	1.41	inches
Ratio = L/153		OK
Deck Span =	6	
		Design OK

USE: HSS 6x4x3/16 GRADE 46 END WALL GIRTS
SPACED AT 5.50 FT. ON CENTER
OR
USE: 6x3.5x16ga CEE GRADE 57 END WALL GIRTS
SPACED AT 5.50 FT. ON CENTER

Entry Date: October 28, 2024
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Location: ELKHART, IN 46514

Job Number: E 8206

Design Code: 2014 INBC (2012 IBC)

Model No: N60-45
No. of Units: 10

STRUCTURAL DESIGN CALCULATIONS FOR BUILDING MEMBERS AND COMPONENTS

Wall Girts - Side Walls

Max. Span = 22.50 feet
Max Wall Girt Spacing = 5.50 feet
Wind load = 15.79 psf
Loading = 86.86 plf
Moment = 5.50 k-ft
fb = 11.35 ksi
Fb (wind) = 27.60 ksi

Try Member Size: 6x4x3/16
Fy = 46 ksi
Sx = 5.81 cu.in.
Ix = 17.40 in⁴
Deflection = 0.99 inches
Ratio = L/ 272 OK
Deck Span = 8
Design OK

Max Wall Girt Spacing = 5.50 feet
Loading = 86.86 psf
Moment = 5.50 k-ft
fb = 22.67 ksi
Fb (wind) = 34.20 ksi

Try Member Size: 6x3.5x12ga CEE
Fy = 57 ksi
Sx = 2.91 cu.in.
Ix = 6.73 in⁴
Deflection = 1.96 inches
Ratio = L/ 198 OK
Deck Span = 8
Design OK

USE: HSS 6x4x3/16 GRADE 48 SIDE WALL GIRTS
SPACED AT 5.50 FT. ON CENTER
OR
USE: 8x3.5x12ga CEE GRADE 57 END WALL GIRTS
SPACED AT 5.50 FT. ON CENTER

Partition Girts

Max. Span = 21 feet
Max Wall Girt Spacing = 5.50 feet
Partition Load = 5 psf
Loading = 27.5 plf
Moment = 1.52 k-ft
fb = 26.36 ksi
Fb (wind) = 34.20 ksi

Try Member Size: 4x2.5x16ga CEE
Fy = 57 ksi
Sx = 0.69 cu.in.
Ix = 1.51 in⁴
Deflection = 2.75 inches
Ratio = L/ 92 OK
Deck Span = 6
Design OK

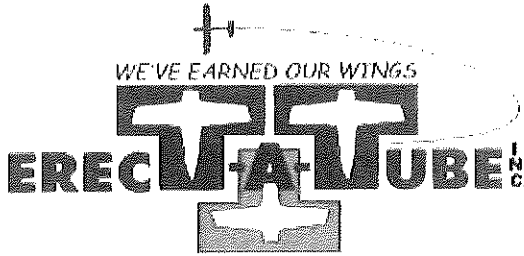
USE: 4x2.5x16ga CEE GRADE 57 PARTITION GIRTS
SPACED AT 5.50 FT. ON CENTER

Max. Span = 22.50 feet
Max Wall Girt Spacing = 5.50 feet
Partition Load = 5 psf
Loading = 27.5 plf
Moment = 1.74 k-ft
fb = 23.20 ksi
Fb (wind) = 34.20 ksi

Try Member Size: 4x2.5x14ga CEE
Fy = 57 ksi
Sx = 0.50 cu.in.
Ix = 1.06 in⁴
Deflection = 2.79 inches
Ratio = L/ 97 OK
Deck Span = 6
Design OK

USE: 4x2.5x14ga CEE GRADE 57 PARTITION GIRTS
SPACED AT 5.50 FT. ON CENTER

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Location: ELKHART, IN 46514

Job Number: E 8206

Design Code: 2014 INBC (2012 IBC)

Model No: N60 45
No. of Units: 10

STRUCTURAL DESIGN CALCULATIONS FOR BUILDING MEMBERS AND COMPONENTS

(5) TRUSSES

Door Truss Design - W Type

Truss Length =	46.00	ft		
Dist Bwn. Rafters =	22.50	ft		
Depth =	24	in		
Chord Size =	4	in		
Deflection (incl. L)	240		2.25	in
Weight	78.41	pl		

CL-CL =	1.67	ft
Diagonal Spacing =	4.5	ft
Height of Web =	1.33	ft
Diagonal Length =	2.62	ft

Lattice Design

Reaction =	9.49	kips
T=C =	18.62	kips
f _a =	17.40	ksi
f _t =	17.40	ksi
r _x =	1.10	in
(KL) _x =	28.83	
Z _x =	1.06	cu. in
A _p =	28.12	
F _t =	27.00	ksi
F _a =	24.04	ksi
(KL) _y =	39.04	
F _y =	187.83	ksi
F _c =	41.82	ksi

LATTICES - SIZES

Try:	3x2x1/8	
F _y =	46.00	ksi
Design X-sec Area =	1.07	sq. in
r _y =	0.89	in
(KL) _y =	39.04	
S _x =	0.87	cu. in
A =	22.00	

For (KL)_x < 4.71(EI/F_y)^{0.5} = 110.26
Use eqn. (E3-2)

Stress Ratio = Max[(F_a/F_a), (F_t/F_t)] = 0.72

Design OK

Top Chord Design

Moment =	106.70	k-ft
Unbraced Length =	0.50	ft
T=C =	64.08	kips
f _a =	24.04	ksi
f _t =	24.04	ksi
A _{p1} =	68.28	
A _w =	19.33	
A _t =	19.33	
Z _x =	3.67	in ³
r _y =	1.64	in
(KL) _x =	3.90	
F _t =	30.00	
F _e =	18855.41	ksi
F _c =	49.94	ksi
F _c - F _a (C _m) - F _c x A _{p1} (.67) =	77.16	kips

TOP CHORD SIZE SELECTION

Try:	4x4x3/16	
F _y =	50.00	ksi
Design X-sec Area =	2.58	sq. in
A _{pw} =	26.97	
S _x =	3.39	in ³
r _x =	1.54	in
(KL) _x =	3.90	
(KL) _y =	670.71	in ²

Eqn. (3-2)

Stress Ratio = Max[(M_t/A_t), (F_a/F_t)] = 0.84

Design OK

Deflection (Bottom) =	1.88	in
F _a =	29.08	ksi

Design OK

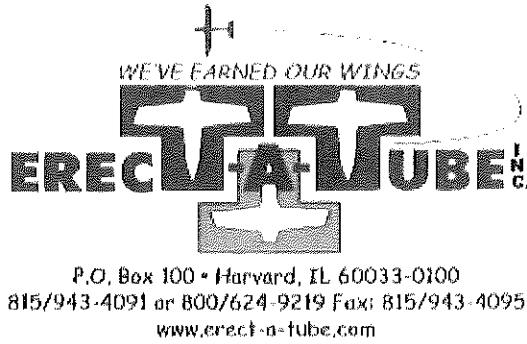
Entry Date: October 28, 2024
Rev. 01:

Project: ELKHART MUNICIPAL AIRPORT
Location: ELKHART, IN 46514

Job Number: E 5206

Design Code: 2014 INBC (2012 IBC)

Model No: N60-45
No. of Units: 10



STRUCTURAL DESIGN CALCULATIONS FOR BUILDING MEMBERS AND COMPONENTS

Bottom chord Design

moment =	50.45	k-ft
LU =	15.00	ft
T=C =	30.27	k/ps
q =	8.99	k/ft
fa =	8.99	k/ft
α =	1.51	in
Sx =	4.11	in ³
(kL)/x =	119.21	
φ _t =	27.60	k/ft
F _t =	20.14	k/ft
F _c =	17.69	k/ft

BOTTOM CHORD SIZE SELECTION

T _{ty}	4x4x1/4	
F _y =	45.00	k/ft
F _u =	60.00	k/ft
Design X-section Area =	3.37	sq. in
I _y =	1.51	in
Z _x =	4.66	in ³
(KL)/y =	119.21	OK
W _{t0.25L} =	677	in ⁴

Slenderness Ratio = $\text{Max}[(L/U)_{x1}, (L/U)_{y1}] =$	0.88
------------------------------------------------------------	------

Design Ok

Deflection (Top) =	0.94	in
F _a =	10.60	k/ft

Design Ok

USE:	24	inches deep truss with
3x2x1/8 GRADE 48 LATTICES		
4x4x3/16 GRADE 50 TOP CHORD BRACED AT	0.5 FT. ON CENTER	
4x4x1/4 GRADE 48 BOT. CHORD BRACED AT	15 FT. ON CENTER	

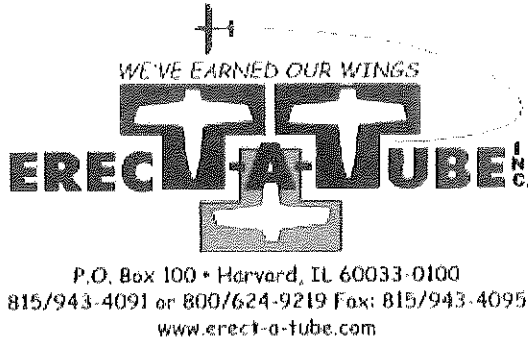
Entry Date: October 28, 2024
Rev. 01:

Project: ELKHART MUNICIPAL AIRPORT
Location: ELKHART, IN 46614

Job Number: E 8206

Design Code: 2014 INBC (2012 IBC)

Model No: N80-45
No. of Units: 10



STRUCTURAL DESIGN CALCULATIONS FOR BUILDING MEMBERS AND COMPONENTS

(7) LATERAL BRACING

Rod Bracing-On Main Frame - Lateral Walls (y-y)

Max. Horizontal Force =	2.20	kips
Length of Bay =	18	ft
Height of Bay =	17.75	ft
Tie rod diagonal Length =	25.28	ft
Maximum Tension Force =	3.08	kips
$F_y =$	36	ksi
$F_u =$	58	ksi
Factor for tensile rupture, $\Omega_t =$	2.00	
Factor for tensile yielding, $\Omega_t =$	1.67	
$F_t =$	29.00	ksi
$F_y =$	21.56	ksi
Area required, $A_{req} =$	0.143	sq. in.
$T_{ry} =$	5/8	in. dia bar
Area provided, $A_{prov} =$	0.226	sq. in.
Design OK		

Rod Bracing-On Main Frame - Longitudinal Walls (x-x)

Max. Horizontal Force =	1.70	kips
Length of Bay =	22.5	ft
Height of Bay =	17.75	ft
Tie rod diagonal Length =	28.65	ft
Maximum Tension Force =	2.17	kips
$F_y =$	36	ksi
$F_u =$	58	ksi
Factor for tensile rupture, $\Omega_t =$	2.00	
Factor for tensile yielding, $\Omega_t =$	1.67	
$F_t =$	29.00	ksi
$F_y =$	21.56	ksi
Area required =	0.101	sq. in.
$T_{rx} =$	1/2	in. dia bar
Area provided, $A_{prov} =$	0.142	sq. in.
Design OK		

USE: 5/8 inch Dia. Rods

USE: 1/2 inch Dia. Rods

