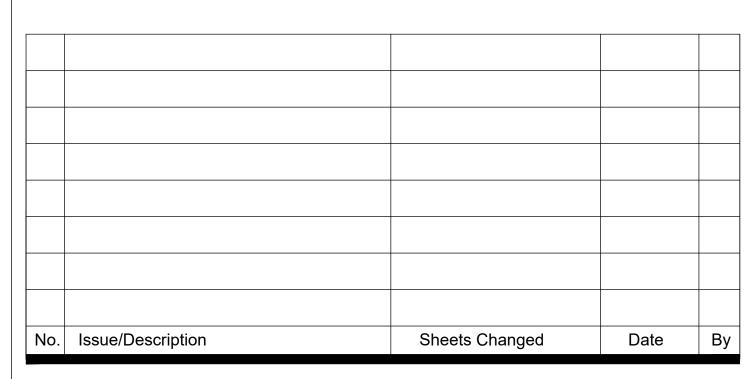
CONSTRUCTION PLANS

CONSTRUCT 8-UNIT T-HANGAR AND PAVEMENT SITEWORK

ROCHELLE MUNICIPAL AIRPORT (RPJ)
MAJOR THOMAS F. KORITIZ FIELD
ROCHELLE, OGLE COUNTY, IL

IDA PROJECT NO. RPJ- 5150 SBG PROJECT NO. 3-17-SBGP-TBD

100% SUBMITTAL - MARCH 21, 2025

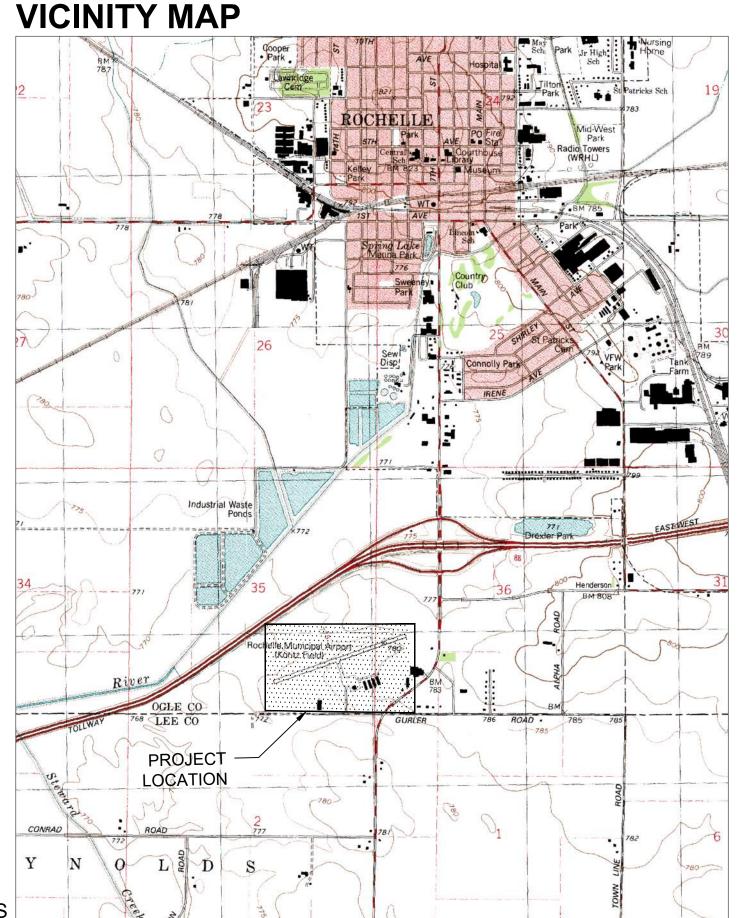


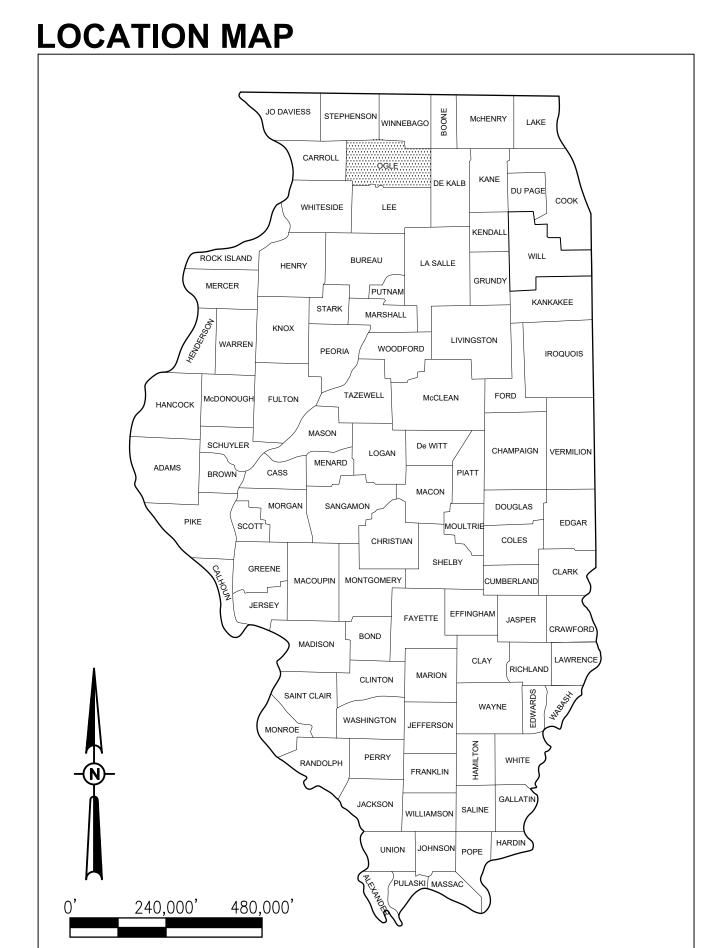
SCOPE OF WORK

THIS PROJECT WILL INCLUDE CONSTRUCTION OF A NEW 8-UNIT TWO-SIDED NESTED T-HANGAR WITH CONCRETE FLOOR AND BI-FOLD DOORS, LIGHTS, AND RECEPTACLES. THERE IS ONE ADDITIVE ALTERNATE. ADD ALT 1 IS CONSTRUCTING 48' OF ACCESS TAXILANE PAVEMENT.

NOTICE TO CONTRACTORS AND BIDDERS

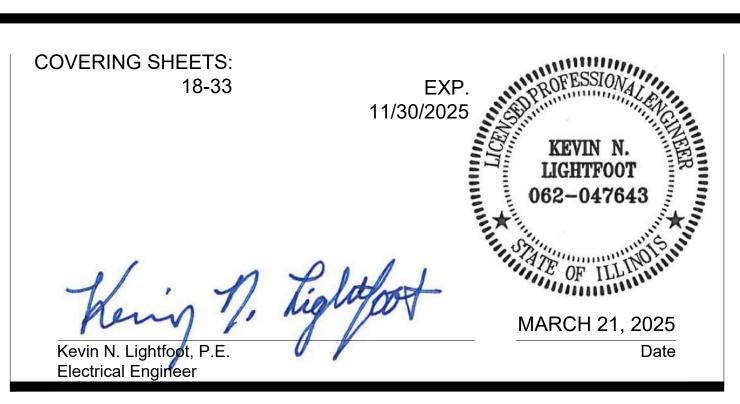
THESE CONSTRUCTION PLANS RELY UPON THE SPECIAL PROVISIONS AND THE SPECIFICATIONS TO PROVIDE FOR A COMPLETE DESCRIPTION OF THE WORK AND CONSTRUCTION REQUIREMENTS. THE PLANS SHALL ONLY BE USED IN COMBINATION WITH ALL CONTRACT DOCUMENTS.

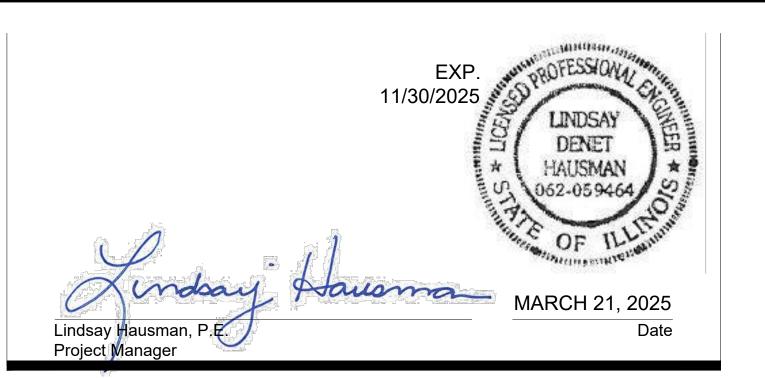




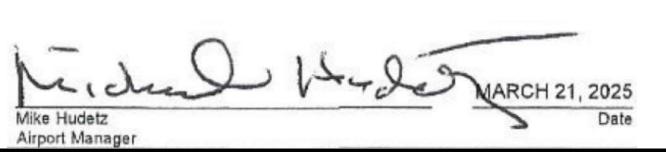


HANSON PROFESSIONAL SERVICES INC. 1525 South Sixth Street Springfield, Illinois 62703-2886 Telephone: 217.788.250.3





ROCHELLE MUNICIPAL AIRPORT MAJOR THOMAS F. KORITZ FIELD 1201 West Gurler Road Rochelle, Illinois 61068 Telephone: 815-562-8619



INDEX OF SHEETS					
SHEET NO.	TITLE				
1	COVER SHEET				
2	SUMMARY OF QUANTITIES AND INDEX OF SHEETS				
3	SCOPE OF WORK				
4	CONSTRUCTION SAFETY AND PHASING PLAN				
5	CONSTRUCTION SAFETY AND PHASING PLAN NOTES & DETAILS				
6	DEMOLITION PLAN				
7	PROPOSED CONSTRUCTION PLAN				
8	PROPOSED TYPICAL SECTION				
9	DRAINAGE SCHEDULES AND DETAILS				
10	PROPOSED GRADING PLAN				
11	SWPPP DETAILS				
12	PROPOSED MARKING PLAN - ADD ALT 2				
13	FENCE DETAILS				
14	FENCE NOTES				
15	PROPOSED HANGAR LAYOUT				
16	PROPOSED HANGAR ELEVATIONS				
17	HANGAR NOTES				
18	ELECTRICAL LEGEND AND ABBREVIATIONS				
19	ELECTRICAL NOTES				
20	ELECTRICAL SITE PLAN				
21	ELECTRICAL EQUIPMENT LAYOUT				
22	EXTERIOR LIGHTING PLAN				
23	ELECTRIC SERVICE DISCONNECT ELEVATION DETAILS				
24	CONDUIT TRENCH DETAILS & NOTES				
25	CABLE AND DUCT MARKER DETAILS				
26	GROUNDING DETAILS - SHEET 1				
27	GROUNDING DETAILS - SHEET 2				
28	GROUND RESISTANCE TESTING DETAILS				
29	GROUNDING NOTES				
30	ELECTRICAL ONE-LINE DIAGRAM				
31	ELECTRICAL SCHEDULES				
32	LEGEND PLATE SCHEDULES - SHEET 1				
33	LEGEND PLATE SCHEDULES - SHEET 2				

INDEX OF SHEETS						
SHEET NO.	TITLE					
1	COVER SHEET					
2	SUMMARY OF QUANTITIES AND INDEX OF SHEETS					
3	SCOPE OF WORK					
4	CONSTRUCTION SAFETY AND PHASING PLAN					
5	CONSTRUCTION SAFETY AND PHASING PLAN NOTES & DETAILS					
6	DEMOLITION PLAN					
7	PROPOSED CONSTRUCTION PLAN					
8	PROPOSED TYPICAL SECTION					
9	DRAINAGE SCHEDULES AND DETAILS					
10	PROPOSED GRADING PLAN					
11	SWPPP DETAILS					
12	PROPOSED MARKING PLAN - ADD ALT 2					
13	FENCE DETAILS					
14	FENCE NOTES					
15	PROPOSED HANGAR LAYOUT					
16	PROPOSED HANGAR ELEVATIONS					
17	HANGAR NOTES					
18	ELECTRICAL LEGEND AND ABBREVIATIONS					
19	ELECTRICAL NOTES					
20	ELECTRICAL SITE PLAN					
21	ELECTRICAL EQUIPMENT LAYOUT					
22	EXTERIOR LIGHTING PLAN					
23	ELECTRIC SERVICE DISCONNECT ELEVATION DETAILS					
24	CONDUIT TRENCH DETAILS & NOTES					
25	CABLE AND DUCT MARKER DETAILS					
26	GROUNDING DETAILS - SHEET 1					
27	GROUNDING DETAILS - SHEET 2					
28	GROUND RESISTANCE TESTING DETAILS					
29	GROUNDING NOTES					
30	ELECTRICAL ONE-LINE DIAGRAM					
31	ELECTRICAL SCHEDULES					
32	LEGEND PLATE SCHEDULES - SHEET 1					
33	LEGEND PLATE SCHEDULES - SHEET 2					

EARTHWORK QUANTITY SUMMARY							
WORK AREA	CUT (CU YD)	FILL (CU YD)	FILL + 15% (CU YD)	NET (CU YD)			
BASE BID GRADING	280	703	809	529 (FILL)			
TOTA	AL VOLUME (CU	J YD)		529 (FILL)			

EARTHWORK NOTES:

- 1. EARTHWORK QUANTITIES (CUT/FILL VOLUMES) SHOWN ABOVE WERE CALCULATED UTILIZING AUTODESK CIVIL3D SOFTWARE THROUGH AUTOCAD. THE CALCULATION METHOD WAS BY A COMPARISON OF SURFACE MODELS CREATED WITH EXISTING SURVEY DATA AND PROPOSED DESIGN GRADES. THE VOLUMES WERE CALCULATED IN TWO PARTS: THE CUT/FILL VOLUMES REQUIRED FOR PROPOSED GRADING WORK OUTSIDE OF THE PROPOSED PAVEMENT LIMITS AS COMPARED TO THE EXISTING GROUND SURFACE AND THE CUT/FILL VOLUME REQUIRED TO CORE OUT THE PROPOSED PAVEMENT SECTION AS COMPARED TO THE EXISTING GROUND SURFACE. THE NUMBERS IN THE SUMMARY TABLES ABOVE REPRESENT A TOTAL OF THESE TWO PARTS ADDED TOGETHER FOR CLARITY
- 2. EARTHWORK QUANTITIES HAVE NOT BEEN ADJUSTED TO ACCOUNT FOR THE VOLUME OF CONCRETE REQUIRED FOR THE PROPOSED CONCRETE SLAB AND HANGAR FOUNDATION AS THOSE DIMENSIONS ARE UNKNOWN.
- 3. FOLLOWING THE PROJECT AWARD, THE ENGINEER CAN PROVIDE THE RELEVANT AUTOCAD AND CIVIL 3D SURFACE MODEL FILES TO THE AWARDED CONTRACTOR UPON REQUEST, PENDING SIGNED RELEASE, TO ASSIST WITH CONSTRUCTION LAYOUT.

	SUMMARY OF QUANTITIES - BASE BID								
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	AS-BUILT QUANTITY					
1	8-UNIT NESTED T-HANGAR AND ASSOCIATED SITE AND UTILITY WORK	LSUM	1						

SUMMARY OF QUANTITIES - ADDITIVE ALTERNATE 01							
ITEM NO.	ITEM NO. DESCRIPTION		TOTAL QUANTITY	AS-BUIL QUANTI			
AR152410	UNCLASSIFIED EXCAVATION	CU.YD.	200				
AR152540	SOIL STABILIZATION FABRIC	SQ.YD.	1861				
AR154606	GRANULAR DRAINAGE SUBBASE-6"	SQ.YD.	1861				
AR209604	CRUSHED AGG. BASE COURSE-4"	SQ.YD.	1834				
AR401613 BIT. SURF. CSEMETHOD I, SUPERPAVE		TON	208				
AR403613	BIT. BASE CSEMETHOD I, SUPERPAVE	TON	312				
AR602510	BITUMINOUS PRIME COAT	GALLON	550				
AR603510	BITUMINOUS TACK COAT	GALLON	145				
AR620520	PAVEMENT MARKING-WATERBORNE	SQ.FT.	436				
AR620525	PAVEMENT MARKING-BLACK BORDER	SQ.FT.	436				
AR705506	6" PERFORATED UNDERDRAIN	FOOT	610				
AR705630	UNDERDRAIN INSPECTION HOLE	EACH	1				
AR705640	UNDERDRAIN CLEANOUT	EACH	2				

GENERAL NOTES:

PAYMENT WILL BE MADE UNDER THE ITEM NUMBERS, DESCRIPTIONS AND UNITS NOTED IN THE ABOVE TABLE IN ACCORDANCE WITH THE BASIS OF PAYMENT FOR EACH RESPECTIVE WORK ITEM COMPLETED AND ACCEPTED BY THE ENGINEER.

CERTIFIED PAYROLLS

THE RESIDENT ENGINEER/TECHNICIAN CANNOT FORWARD PAY APPLICATIONS TO THE CLIENT FOR PROCESSING UNTIL ALL CERTIFIED PAYROLLS FOR THE PERIOD HAVE BEEN RECEIVED.

MATERIAL CERTIFICATIONS

MATERIALS TO BE INCORPORATED INTO THE PROJECT CANNOT BE USED WITHOUT PRIOR APPROVAL. ALL MATERIALS TO BE USED IN THE PROJECT MUST BE SUBMITTED TO THE RESIDENT ENGINEER FOR APPROVAL. USE OF MATERIALS WITHOUT PRIOR APPROVAL AND ULTIMATELY DETERMINED TO BE UNACCEPTABLE ARE SUBJECT TO REMOVAL AND/OR NON-PAYMENT.

STANDARDS AND CODES

STANDARDS AND CODES REFERENCED HEREIN SHALL BE UNDERSTOOD TO BE REFERENCING TO THE CURRENT EDITION.

UTILITY NOTE

THE LOCATION, SIZE AND/OR TYPE OF MATERIAL OF EXISTING UNDERGROUND OR OVERHEAD UTILITIES AS MAY BE INDICATED ON THESE CONSTRUCTION PLANS IS NOT REPRESENTED AS BEING ACCURATE. SUFFICIENT OR COMPLETE. NEITHER THE OWNER NOR THE PROJECT ENGINEER HAVE INDEPENDENTLY VERIFIED THIS INFORMATION AND NEITHER ASSUMES ANY RESPONSIBILITY WHATSOEVER IN RESPECT TO THE ACCURACY, SUFFICIENCY OR COMPLETENESS OF THE INFORMATION AND GIVE NO EXPRESSED OR IMPLIED GUARANTEE THAT ANY CONDITIONS INDICATED ARE REPRESENTATIVE OF ACTUAL CONDITIONS TO BE ENCOUNTERED

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES AND AGENCIES OF HIS CONSTRUCTION PLANS AND SHALL OBTAIN FROM EACH PARTY DETAILED INFORMATION AND ASSISTANCE RELATIVE TO THE LOCATION OF ALL UTILITIES AND THE WORKING SCHEDULE OF ANY REMOVALS OR ADJUSTMENTS REQUIRED OF THE UTILITY. THE CONTRACTOR SHALL CONTACT J.U.L.I.E. (PHONE 800-892-0123) TO ASSIST IN THE ABOVE.

THE CONTRACTOR SHALL PROTECT ANY FACILITIES TO THE SATISFACTION OF THE UTILITY OR OWNING-AGENCY WITH THE COST OF ANY REQUIRED PROTECTION TO BE INCIDENTAL TO THE CONTRACT. IN THE EVENT A UTILITY LINE OR SERVICE IS UNEXPECTEDLY ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE AND THE UTILITY COMPANY OR AGENCY OF JURISDICTION. ANY SUCH UTILITIES DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED TO SERVICE AT ONCE AT THE CONTRACTOR'S EXPENSE.



J.U.L.I.E. INFORMATION

COUNTY	OGLE
CITY	ROCHELLE
TOWNSHIP	FLAGG
SECTION NO	35 & 36
ADDRESS	ROCHELLE MUNICIPAL AIRPORT
	1201 WEST GURLER ROAD
	ROCHELLE, IL 61068

Offices Nationwide www.hanson-inc.com

Hanson Professional Services Inc. 1525 S. 6th Street Springfield, IL 62568 phone: 217-788-2450 fax: 217-788-2503

Illinois Licensed Professional Service Corporation #184-001084



ROCHELLE MUNICIPAL AIRPORT MAJOR THOMAS F. KORITZ FIELD 1201 West Gurler Road Rochelle, Illinois 61068 Telephone: 815.562.8619



SIGNED: 3/21/2025 EXPIRES: 11/30/2025

CONSTRUCT 8-UNIT T-HANGAR AND PAVEMENT **SITEWORK**

IDA No: RPJ-5150 SBG No: 3-17-SBGP-TBD

	NO.	DATE	DES	CRIPT	ION
	NO.	DAIL	DES	DWN	REV
1	ISSUE:	MARCH	21, 20)25	
		T NO. 2	3 / 1 / 1	1 00	

CAD FILE: G-002-SOQ.DWG

DESIGN BY: KCB 12/13/2024 DRAWN BY: KCB 12/13/2024 REVIEWED BY: LDH 1/11/2025

SHEET TITLE

SUMMARY OF **QUANTITIES AND INDEX OF SHEETS** 2. THIS PROJECT CONSISTS OF THE CONSTRUCTION OF A NEW 8-UNIT NESTED T-HANGAR WITH CONCRETE FLOOR AND BI-FOLD DOORS, LIGHTS, AND RECEPTACLES. ASSOCIATED WORK ITEMS INCLUDE SITE PREPARATION AND GRADING, PRE-ENGINEERED STEEL BUILDING ERECTION, CONCRETE SLAB-ON-GRADE CONSTRUCTION, CONCRETE PERIMETER SLAB, HANGAR AND SITE ELECTRICAL, EROSION CONTROL, AND SITE RESTORATION. THERE IS ONE ADDITIVE ALTERNATE. ADD ALT 1 IS CONSTRUCTING 48' OF ACCESS TAXILANE PAVEMENT.

 THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIAL, EQUIPMENT, AND TRANSPORTATION NECESSARY TO CONSTRUCT ALL ELEMENTS OF THE PROJECT AS DESCRIBED IN THE CONSTRUCTION PLANS AND SPECIFICATIONS.

4. THE RULES, REGULATIONS, AND SPECIFICATIONS ENUMERATED HEREIN SHALL BE CONSIDERED AS MINIMUM REQUIREMENTS. THEY SHALL NOT PROHIBIT THE CONTRACTOR FROM FURNISHING AND INSTALLING HIGHER GRADES OF MATERIAL THAN ARE SPECIFIED HEREIN.

5. THE CONSTRUCTION ENTRANCE AS SHOWN ON THE PROPOSED SAFETY AND PHASING PLAN WILL BE THE PRIMARY ACCESS TO THE PROPOSED CONSTRUCTION SITE. ALL HAULING OF MATERIALS AND EQUIPMENT SHALL BE RESTRICTED TO THE DESIGNATED CONSTRUCTION ENTRANCE.

6. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT, PRESERVE, AND REPAIR THE EXISTING AIRFIELD AND ROADWAY PAVEMENTS AT ALL TIMES. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING ELECTRICAL, DRAINAGE, AND PAVEMENT STRUCTURES AT NO ADDITIONAL COST TO THE CONTRACT. ANY DAMAGE TO FAA CABLES, ACCESS ROADS OR TO FAA FACILITIES DURING CONSTRUCTION WILL REQUIRE THE CONTRACTOR TO REPLACE THE DAMAGED CABLES, ACCESS ROAD OR FAA FACILITIES TO FAA REQUIREMENTS AT THE CONTRACTOR'S EXPENSE. SPLICING OF CABLES IS NOT AN ACCEPTABLE FORM OF REPAIR.

 NO EQUIPMENT SHALL BE PERMITTED TO CROSS OR USE ANY EXISTING PAVEMENT OUTSIDE THE CONSTRUCTION LIMITS. GENERAL PROJECT AREA OR HAUL ROUTE.

8. CONTRACTOR IS REQUIRED TO PROVIDE THEIR OWN RESTROOM FACILITIES.

 UNLESS OTHERWISE NOTED, ALL DISTURBED AREAS OUTSIDE OF THE PROPOSED CONSTRUCTION LIMITS SHALL BE GRADED SEEDED AND/OR HYDROMULCH SEEDED AT NO ADDITIONAL COST TO THE CONTRACT.

 ALL WASTE MATERIALS SHALL BE HAULED FROM THE AIRPORT AND PROPERLY DISPOSED OF UNLESS OTHERWISE SPECIFIED HERFIN

11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING PERMITS FOR HAULING ON PUBLIC ROADS, AS APPLICABLE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY DAMAGES TO ANY PAVEMENTS (PUBLIC OR PRIVATE) CAUSED BY HIS/HER CONSTRUCTION EQUIPMENT OR PERSONNEL.

12. THE OWNER SHALL HAVE THE RIGHT OF FIRST REFUSAL FOR ALL SALVAGEABLE MATERIAL REMOVED ON THE PROJECT.

13. THE CONTRACTOR SHALL COORDINATE WITH THE RESIDENT ENGINEER/TECHNICIAN SO THEY MAY DEVELOP ONE SET OF REDLINED AS-BUILT DRAWINGS AT THE COMPLETION OF THE PROJECT.

14. CONTRACTOR SHALL NOTE THAT ALL AREAS WITHIN THE AIRPORT PROPERTY LINE AND OUTSIDE THE CONSTRUCTION LIMITS MAY BE USED FOR AGRICULTURAL PURPOSES. THE CONSTRUCTION LIMITS SHALL BE RESTRICTED TO AREAS THAT ARE ABSOLUTELY NECESSARY TO DISTURB TO COMPLETE THE REQUIRED WORK ITEMS. LIMITS SHALL BE COORDINATED WITH THE RESIDENT ENGINEER/TECHNICIAN PRIOR TO BEGINNING ANY WORK. ALL AREAS WHICH HAVE BEEN FARMED AND OR DESIGNATED TO BE FARMED AFTER THE PROJECT COMPLETION, AND HAVE BEEN DISTURBED BY CONSTRUCTION ACTIVITY, SHALL BE CHISEL PLOWED (36" MAX.) OR OTHERWISE SCARIFIED TO RETURN THE AREA TO A REASONABLE TILLABLE CONDITION (IF SO PERMITTED BY

15. CONTRACTOR SHALL RESTORE TO ORIGINAL CONDITION ALL GRASS, STONE, OR PAVEMENT DISTURBED BY CONTRACTOR'S CONSTRUCTION OPERATIONS, STAGING, AND CONSTRUCTION ACCESS ROUTES. DISTURBED AREAS ARE TO BE REPAIRED, GRADED, AND SEEDED AND MULCHED UNLESS OTHERWISE NOTED. STAGING AREA AND SITE ACCESS RESTORATION SHALL BE INCLUDED IN THE COST OF THE MOBILIZATION.

6. THE PROJECT PAY ITEMS ARE INTENDED TO BE INCLUSIVE OF ALL WORK TO BE PERFORMED AS SHOWN IN THESE PLANS. ALL INCIDENTAL WORK REQUIRED TO COMPLETE THE PROJECT TO THE SATISFACTION OF THE RESIDENT ENGINEER/TECHNICIAN IS TO BE INCLUDED IN THE COSTS OF PERFORMING THESE ITEMS.

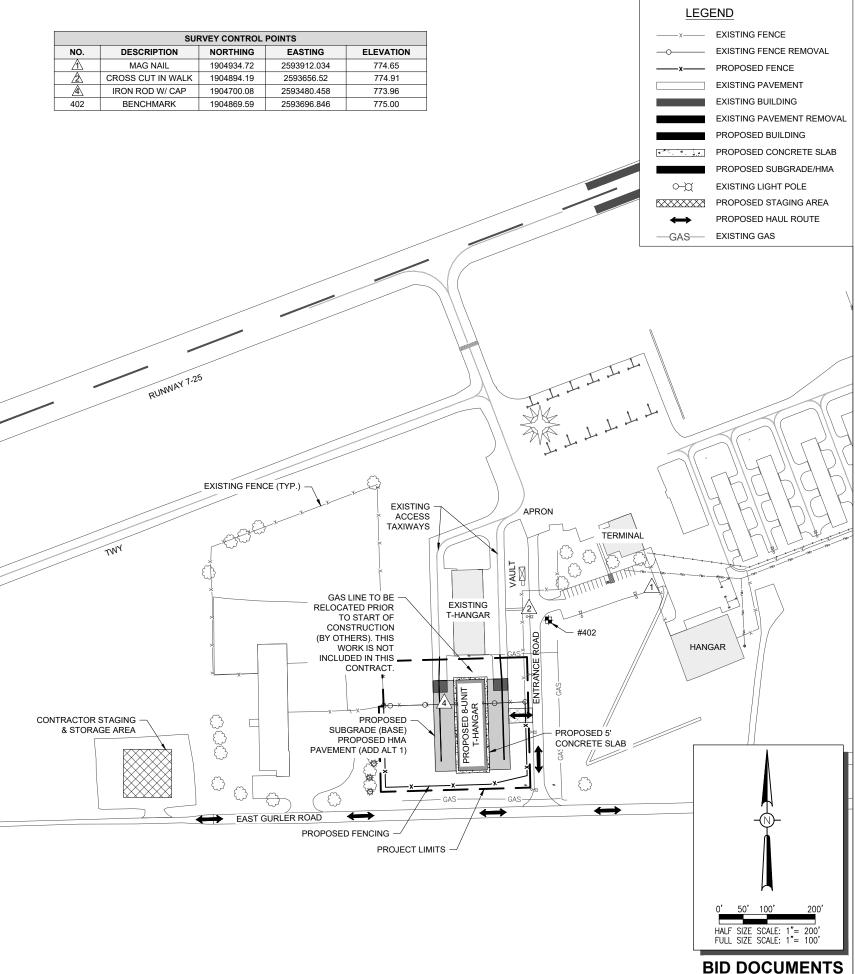
17. APPROXIMATE LOCATIONS OF UNDERGROUND UTILITIES ARE SHOWN THROUGHOUT THESE PLANS. THE CONTRACTOR SHALL DETERMINE EXACT LOCATIONS OF ALL UTILITIES WITHIN THE PROJECT FOOTPRINT AND PROTECT THESE UTILITIES DURING CONSTRUCTION. ANY UTILITIES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. CONTRACTOR SHALL COORDINATE WITH THE PROPER PERSONS FOR THE PURPOSE OF LOCATING AND PROTECTING EXISTING UNDERGROUND UTILITIES.

18. THE CONTRACTOR MUST AT ALL TIMES MAINTAIN PROPER DRAINAGE FOR ALL AREAS AFFECTED BY HIS/HER WORK

SURVEY NOTES

1. ALL COORDINATE VALUES SHOWN IN TABLE ARE BASED ON ILLINOIS STATE PLANE - WEST ZONE NAD-83.

 REFER TO IDOT STANDARD SPECIFICATIONS 50-06, CONSTRUCTION LAYOUT STAKES, FOR ADDITIONAL INFORMATION.





Offices Nationwide www.hanson-inc.com

Hanson Professional Services Inc. 1525 S. 6th Street Springfield, IL 62568 phone: 217-788-2450 fax: 217-788-2503

Illinois Licensed Professional Service Corporation #184-001084



ROCHELLE MUNICIPAL AIRPORT MAJOR THOMAS F. KORITZ FIELD 1201 West Gurler Road Rochelle, Illinois 61068 Telephone: 815.562.8619



DATE LICENSE SIGNED: 3/21/2025 EXPIRES: 11/30/2025

CONSTRUCT 8-UNIT
T-HANGAR AND PAVEMENT
SITEWORK

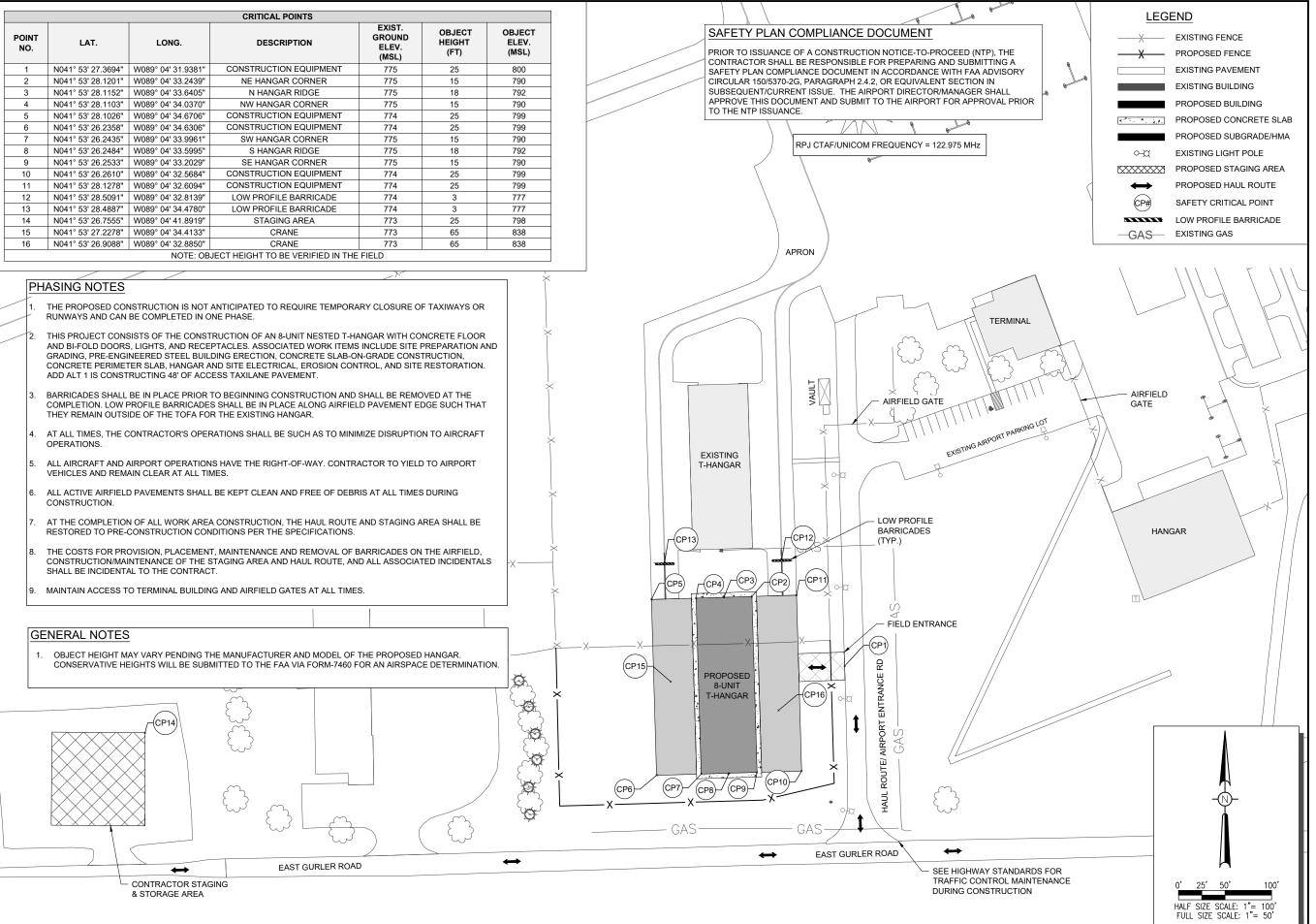
IDA No: RPJ-5150 SBG No: 3-17-SBGP-TBD

NO. DATE DESCRIPTION
DES DWN REV
ISSUE: MARCH 21, 2025

PROJECT NO: 23A1041.00 CAD FILE: G-003-SOW.DWG DESIGN BY: KCB 12/12/2024 DRAWN BY: KCB 12/12/2024 REVIEWED BY: LDH 1/11/2025

SHEET TITLE

SCOPE OF WORK



HANSON Engineering | Planning | Alled Services

> Offices Nationwide www.hanson-inc.com

Hanson Professional Services Inc. 1525 S. 6th Street Springfield, IL 62568 phone: 217-788-2450 fax: 217-788-2503

Illinois Licensed
Professional Service Corporation
#184-001084



ROCHELLE MUNICIPAL AIRPORT MAJOR THOMAS F. KORITZ FIELD 1201 West Gurler Road

1201 West Gurler Road Rochelle, Illinois 61068 Telephone: 815.562.8619



Linday Hausman

DATE LICENSE SIGNED: 3/21/2025 EXPIRES: 11/30/20

CONSTRUCT 8-UNIT T-HANGAR AND PAVEMENT SITEWORK

IDA No: RPJ-5150 SBG No: 3-17-SBGP-TBD

NO. DATE DESCRIPTION
DES DWN REV

ISSUE: MARCH 21, 2025

ISSUE: MARCH 21, 2025
PROJECT NO: 23A1041.00
CAD FILE: G-104-CSPP.DWG

DESIGN BY: KCB 12/13/2024

DRAWN BY: KCB 12/13/2024

REVIEWED BY: LDH 1/11/2025

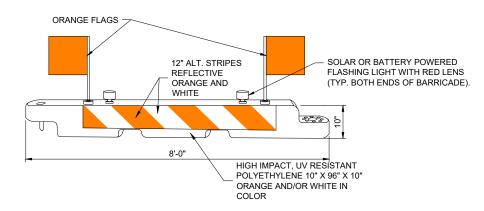
SHEET TITLE

BID DOCUMENTS

CONSTRUCTION SAFETY AND PHASING PLAN

CONSTRUCTION NOTES:

- THE CONTRACTOR SHALL PROVIDE A SCHEDULE AT THE PRECONSTRUCTION MEETING DETAILING ANY ANTICIPATED HANGAR/TAXIWAY CLOSURE DATES AND DURATIONS.
- THE HAUL ROUTE, VEHICLE PARKING, AND MATERIAL STORAGE AREAS CONSIST OF TURF AND PAVED AREAS. THE
 CONTRACTOR WILL MAINTAIN THE HAUL ROUTES. AT THE COMPLETION OF THE PROJECT DISTURBED TURF AREAS WILL
 BE RESHAPED AND RESTORED, PAVEMENTS CLEANED AND, IF DAMAGED, RE-MARKED, AND ALL OTHER AREAS
 RESTORED TO PRE-CONSTRUCTION CONDITION.
- 3. THE CONTRACTOR SHALL HAVE THE SAFETY PLAN COMPLIANCE DOCUMENT (SPCD), AS DETAILED IN THE SPECIAL PROVISIONS, SUBMITTED AND APPROVED PRIOR TO BEING ISSUED THE "NOTICE TO PROCEED."
- 4. AIRPORT SECURITY WILL BE MAINTAINED AT ALL TIMES. ONLY CONTRACTOR EMPLOYEES SHALL BE ALLOWED WITHIN THE PROJECT LIMITS. GATES SHALL BE CLOSED AND LOCKED AT ALL TIMES UNLESS THE CONTRACTOR IS IN A CONTINUOUS HAULING OPERATIONS, DURING WHICH TIME HE WILL PROVIDE A PERSON TO MONITOR THE GATE AREA.
- RADIO CONTROL- ROCHELLE MUNICIPAL AIRPORT IS A NON-TOWER CONTROLLED AIRPORT. THE CONTRACTOR WILL BE REQUIRED TO BE IN TWO-WAY RADIO CONTACT WITH THE AIRPORT UNICOM (122.975 MHz) WHEN THERE ARE EQUIPMENT AND/OR PERSONNEL ON ANY ACTIVE AIRFIELD PAVEMENTS.



LOW PROFILE AIRCRAFT BARRICADE DETAIL

BARRICADE NOTES

- ALL CONSTRUCTION SIGNS AND TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL
 DEVICES INCLUDING THE ILLINOIS SUPPLEMENT (LATEST EDITION) AND THE FAA ADVISORY CIRCULARS (LATEST EDITION)
 UNLESS NOTED OTHERWISE. THE FAA OR MORE STRINGENT SPECIFICATIONS SHALL GOVERN.
- 2. BARRICADES SHALL BE SPACED END TO END THE WIDTH OF THE PAVEMENT WITH A MAXIMUM SPACING OF 4' BETWEEN ENDS.

 BARRICADES ARE TO BE SET BACK 250' FROM THE ACTIVE RUNWAY CENTERLINE, 62' FROM THE ACTIVE TAXIWAY CENTERLINE
 OR AS SHOWN ON THE PLANS.
- CONSTRUCTION RED WARNING LIGHT: THESE ARE PORTABLE, LENS DIRECTED, ENCLOSED LIGHTS. THE COLOR OF THE LIGHT EMITTED SHALL BE RED. THEY MAY BE USED IN EITHER A STEADY BURN (TYPE C) OR LOW INTENSITY FLASHING MODE (TYPE A) UNLESS NOTED OTHERWISE.
- 4. THE LIGHTING SHALL BE MAINTAINED IN OPERATION DURING THE HOURS OF DARKNESS BETWEEN 1/2 HOUR AFTER SUNSET AND 1/2 HOUR BEFORE SUNRISE AND WHEN CONDITIONS EXIST WHICH TEND TO OBSCURE VISION.
- 5. BARRICADES SHALL BE SECURED TO THE GROUND BY APPROVED METHODS TO PREVENT MOVEMENT BY PROP WASH, JET BLAST OR OTHER WIND CURRENTS.
- 6. THE ONLY COLOR COMBINATION ON BARRICADES IS ORANGE AND WHITE. THE ORANGE STRIPES SHALL BE ENCAPSULATED LENS REFLECTIVE SHEETING. THE WHITE STRIPES SHALL BE EITHER ENCAPSULATED OR ENCLOSED LENS REFLECTIVE SHEETING AND MUST BE IN ACCEPTABLE CONDITION.

SAFETY NOTES

- . THE FOLLOWING NOTES ARE THE CONSTRUCTION SAFETY PROCEDURES THAT THE CONTRACTOR SHALL FOLLOW THROUGHOUT THIS PROJECT ADDITIONAL REQUIREMENTS ARE SHOWN ON THE CONSTRUCTION SAFETY AND PHASING PLAN SHEET AND THIS SHEET.
- 2. ALL PROVISIONS OF THE LATEST EDITION OF FAA ADVISORY CIRCULAR AC 150/5370-2 (CURRENT EDITION), "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION," APPLY TO THIS CONTRACT EXCEPT AS MODIFIED BY THIS SAFETY PLAN, AS MODIFIED BY THE OWNER THROUGH THE RESIDENT ENGINEER/TECHNICIAN AT THE PRECONSTRUCTION CONFERENCE, OR DURING THE COURSE OF THE CONTRACT.
- THE CONTRACTORS SHALL MINIMIZE DISRUPTION OF STANDARD OPERATING PROCEDURES FOR AERONAUTICAL ACTIVITY BY REMAINING WITHIN THE PRESCRIBED STAGING, CONSTRUCTION, AND PHASING AREAS PRESENTED ON THE CONSTRUCTION SAFETY AND PHASING PLAN SHEFTS
- 4. NO UNAUTHORIZED PERSONNEL SHALL ENTER ANY AREA OF THE AIRPORT THAT COULD POTENTIALLY BE HAZARDOUS. THE AIRPORT MANAGER RESERVES THE RIGHT TO SUSPEND OPERATIONS IN ORDER TO MAINTAIN SAFETY AT THE AIRPORT.
- CONTRACTOR EQUIPMENT, VEHICLES, AND PROJECT MATERIALS SHALL BE STORED AT THE STAGING AREA SHOWN ON THE PLAN VIEW, EXCEPT
 AS OTHERWISE PROVIDED FOR AT THE PRE-CONSTRUCTION CONFERENCE.
- 6. ALL CONSTRUCTION EQUIPMENT OPERATING IN THE PRESCRIBED CONSTRUCTION AREA IS REQUIRED TO DISPLAY A CHECKERBOARD FLAG PROPERLY LOCATED OR A ROTATING BEACON (STROBE) AS SPECIFIED IN AC 150/5210-5 (CURRENT EDITION), "PAINTING, MARKING, AND LIGHTING OF VEHICLES LISED ON AN AIRPORT"
- . NO CONSTRUCTION MATERIAL STOCKPILES SHALL BE LOCATED WITHIN 250' OF ANY ACTIVE RUNWAY CENTERLINE, WITHIN 62' OF ANY OTHER ACTIVE AIRPORT OPERATIONS AREA (EX. TAXIWAY), OR PENETRATE A PART 77 IMAGINARY SURFACE (PROVIDED BY THE RESIDENT ENGINEER/TECHNICIAN) EXTENDING OUT AND UPWARDS FROM ALL SIDES OF AN ACTIVE RUNWAY. REFER TO THE 7460 DETERMINATION FOR SPECIFIC INFORMATION ON THE ALLOWABLE WORKING HEIGHTS.
- 8. CLOSED AIRFIELD PHASING AREAS, OPEN TRENCHES, AND STOCKPILED MATERIALS AT THE CONSTRUCTION SITE SHALL BE PROMINENTLY MARKED WITH LIGHTED BARRICADES WITH STEADY BURNING OR FLASHING RED LIGHTS AS SPECIFIED IN 150/5370-2, "OPERATIONAL SAFETY ON AIRPORT DURING CONSTRUCTION" (CURRENT EDITION). LIGHTED BARRICADES MUST BE NO TALLER THAN 18" (EXCLUSIVE OF SUPPLEMENTARY LIGHTS AND FLAGS) ON THE TAXIWAYS AND COMPLY WITH ADVISORY CIRCULAR 150/5370-2 (CURRENT EDITION). CONTRACTOR SHALL NIGHT CHECK BARRICADES DAILY FOR PROPER OPERATION.
- 9. NO OPEN TRENCHES WITHIN 250' OF AN ACTIVE RUNWAY CENTERLINE OR WITHIN 62' OF ANY TAXIWAY CENTERLINE WILL BE PERMITTED. OTHER TRENCHES SHALL BE MAINTAINED SAFE, I.E., MARKED, BARRICADED OR COVERED WITH STEEL PLATES IN ALL OTHER AREAS.
- 10. NO CONSTRUCTION EQUIPMENT GREATER THAN 25' TALL WILL BE PERMITTED ON THE AIRPORT, WITH THE EXCEPTION OF CRANES WITHIN THE DESIGNATED AREA SHOWN ON THE SAFETY PLAN, UNLESS PERMITTED WITH THE APPROVAL OF THE AIRPORT MANAGER AND ADDITIONAL AIRSPACE APPROVAL BY THE FAA.
- 11. NO OPEN FLAME WELDING OR TORCH CUTTING OPERATION IS PERMITTED UNLESS ADEQUATE FIRE AND SAFETY PRECAUTIONS ARE PROVIDED AND HAVE BEEN APPROVED BY THE AIRPORT MANAGER. NO FLARE POTS ARE ALLOWED ON THE PROJECT.
- 12. SOIL, DEBRIS, AND LOOSE MATERIAL DROPPED OR TRUCKED ONTO AIRPORT ROADS, TAXIWAYS, AND SOD SURFACES, OR WHICH CAN BE BLOWN ONTO SUCH SURFACES, SHALL BE IMMEDIATELY SWEPT, PICKED UP AND REMOVED, OR PLACED INTO CLOSED CONTAINERS. ANY DAMAGE TO AIRPORT PROPERTY SHALL BE REPAIRED IMMEDIATELY AT NO COST TO THE OWNER.
- 13. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND MAINTAINING AIRPORT LIGHTING AND NAVIGATIONAL ELECTRICAL SYSTEMS DURING CONSTRUCTION. A CONTACT PERSON AND TELEPHONE NUMBER FOR 24 HOUR EMERGENCY IMMEDIATE REPAIR SHALL BE SUBMITTED TO THE AIRPORT MANAGER AND RESIDENT ENGINEER/TECHNICIAN. HAUL ROUTES CROSSING PAVEMENT, DRAINAGE, MISCELLANEOUS. STRUCTURES AND/OR AIRFIELD CABLES SHALL BE PROTECTED FROM DAMAGE.
- 14. ALL AIRCRAFT AND AIRPORT OPERATIONS HAVE THE RIGHT-OF-WAY. CONTRACTOR TO YIELD TO VEHICLES AND REMAIN CLEAR AT ALL TIMES.
- 15. CONTRACTOR SHALL PLACE, SECURE, AND MAINTAIN LIGHTED BARRICADES AND CLOSURE CROSSES WHEN A RUNWAY/TAXIWAY/APRON IS CLOSED OR AS REQUIRED BY THE PLANS AND DESIGNATED BY THE RESIDENT ENGINEER/TECHNICIAN.
- 16. CONTRACTOR SHALL MARK HAZARDOUS AREAS WITH STEADY-BURNING OR FLASHING RED LIGHTS DURING PERIODS OF LOW VISIBILITY AS REQUIRED.
- 17. THE CONTRACTOR SHALL PERIODICALLY PERFORM ONSITE INSPECTIONS THROUGHOUT THE DURATION OF THE PROJECT WITH THE IMMEDIATE REMEDY OF ANY DIFFERENCES, WHETHER CAUSED BY NEGLIGENCE, OVERSIGHT, OR PROJECT SCOPE CHANGE.
- 18. THE CONTRACTOR WILL BE RESPONSIBLE FOR IMPLEMENTING MEASURES TO CONTROL OR AVOID CREATING ATTRACTANTS TO WILDLIFE. MEASURES MAY INCLUDE CONTINUOUSLY REMOVING ANY WASTE OR LOOSE MATERIALS, PLACEMENT OF MATERIALS IN APPROPRIATE STORAGE CONTAINERS, PROPERLY MAINTAINING FENCES AND GATES TO PREVENT ACCESS, AND PREVENTING PONDING OF WATER THROUGHOUT THE SITE.
- 19. CONTRACTOR SHALL MOVE MAINTENANCE OF TRAFFIC COMPONENTS AT THE WRITTEN DIRECTION OF THE RESIDENT ENGINEER/TECHNICIAN AT NO ADDITIONAL COST.
- 20. CONTRACTOR SHALL NOT REMOVE THE BARRICADES WITHOUT THE APPROVAL BY THE RESIDENT ENGINEER/TECHNICIAN.
- 21. CONTRACTOR SHALL MAINTAIN FLASHERS, SIGNS AND/OR BARRICADES AS REQUIRED BY THE PLANS, CITY OR COUNTY REGULATIONS OR CONTRACTOR ACTIVITIES. CONTRACTOR SHALL OBTAIN ANY AND ALL REQUIRED LOCAL PERMITS UNLESS SPECIFIED OTHERWISE.
- 22. THE CONTRACTOR SHALL UTILIZE WATER AND/OR CHEMICALS APPROVED BY THE RESIDENT ENGINEER/TECHNICIAN AS NECESSARY TO CONTROL DUST.
- 23. NO CONSTRUCTION VEHICLES SHALL BE DRIVEN ACROSS ANY ACTIVE AIRFIELD PAVEMENT AREA WITHOUT AN APPROPRIATE ESCORT. CONSTRUCTION EQUIPMENT OR CONSTRUCTION ACTIVITY WILL NOT BE PERMITTED WITHIN 250' OF ANY ACTIVE RUNWAY CENTERLINE OR WITHIN 62' OF ANY OTHER ACTIVE AIRPORT TAXIWAY OR APRON.

HANSON Engineering | Planning | Allied Services

Offices Nationwide www.hanson-inc.com

Hanson Professional Services Inc. 1525 S. 6th Street Springfield, IL 62568 phone: 217-788-2450 fax: 217-788-2503

Illinois Licensed Professional Service Corporation #184-001084



ROCHELLE MUNICIPAL AIRPORT MAJOR THOMAS F. KORITZ FIELD 1201 West Gurler Road Rochelle, Illinois 61068 Telephone: 815.562.8619



DATE LICENSE SIGNED: 3/21/2025 EXPIRES: 11/30/2025

CONSTRUCT 8-UNIT T-HANGAR AND PAVEMENT SITEWORK

IDA No: RPJ-5150 SBG No: 3-17-SBGP-TBD

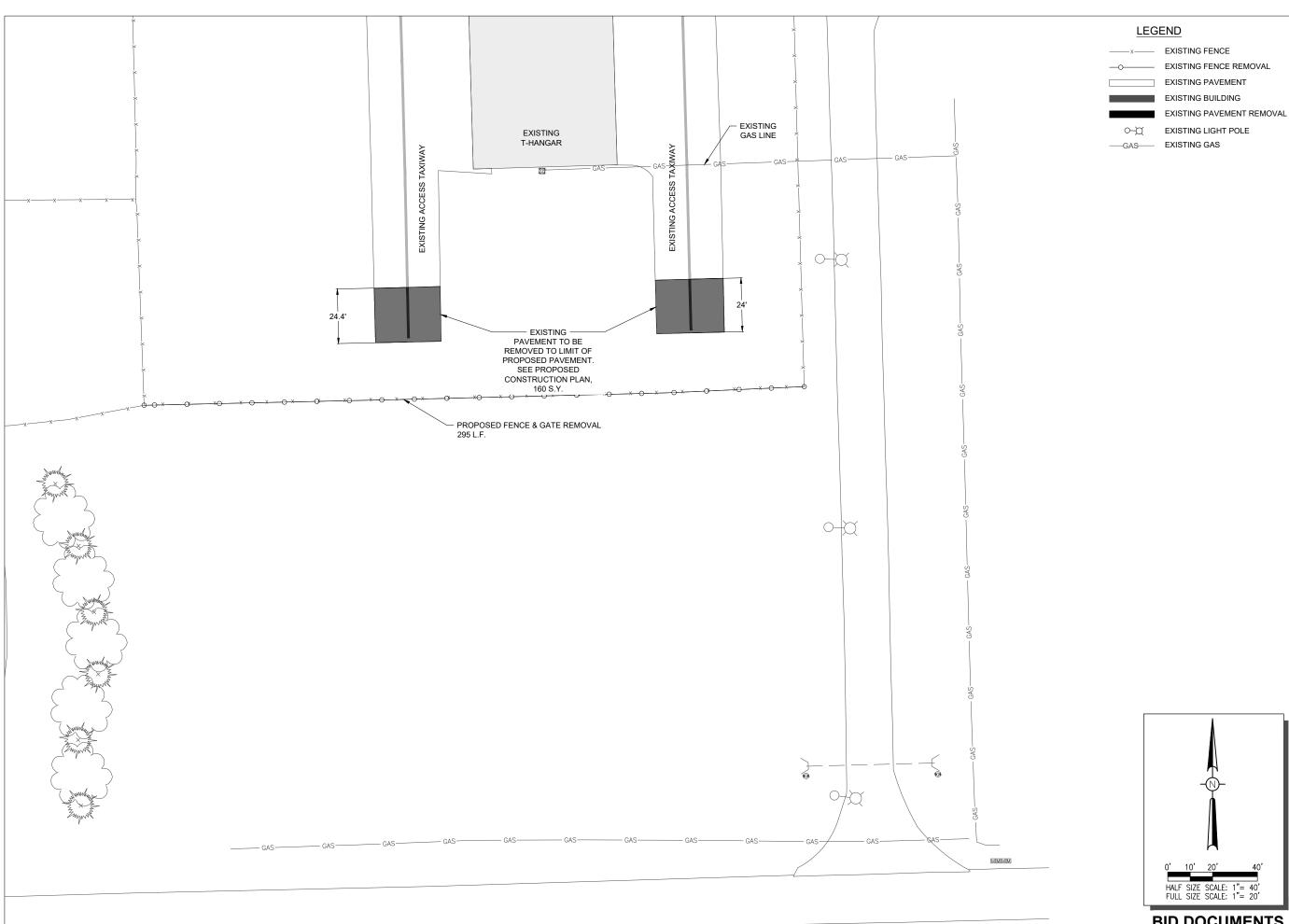
NO.	NO. DATE		CRIPT	ION	
INO.	DATE	DES	DWN	RE\	
ISSUE:	MARCH	21, 20)25		
DDO IEC	DDO IECT NO: 22A1041 00				

PROJECT NO: 23A1041.00
CAD FILE: G-104-CSPP.DWG

DESIGN BY: KCB 12/13/2024 DRAWN BY: KCB 12/13/2024 REVIEWED BY: LDH 1/11/2025

SHEET TITLE

CONSTRUCTION SAFETY AND PHASING PLAN NOTES & DETAILS





Offices Nationwide www.hanson-inc.com

Hanson Professional Services Inc. 1525 S. 6th Street Springfield, IL 62568 phone: 217-788-2450 fax: 217-788-2503

Illinois Licensed Professional Service Corporation #184-001084



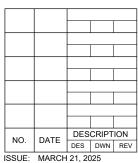
ROCHELLE MUNICIPAL AIRPORT MAJOR THOMAS F. KORITZ FIELD 1201 West Gurler Road Rochelle, Illinois 61068 Telephone: 815.562.8619



DATE LICENSE SIGNED: 3/21/2025 EXPIRES: 11/30/2025

CONSTRUCT 8-UNIT T-HANGAR AND PAVEMENT SITEWORK

IDA No: RPJ-5150 SBG No: 3-17-SBGP-TBD

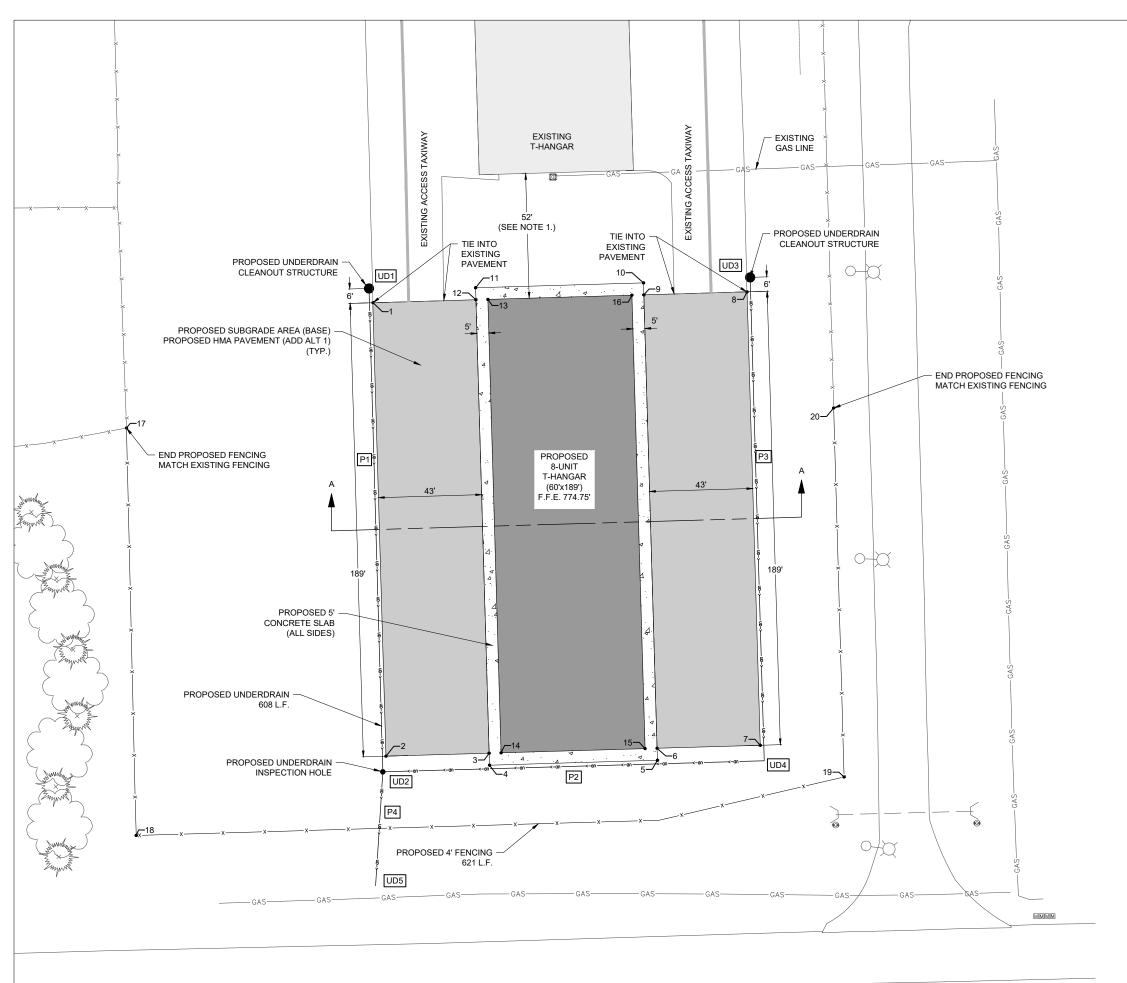


PROJECT NO: 23A1041.00 CAD FILE: C-122-DEM.DWG DESIGN BY: KCB 12/13/2024 DRAWN BY: KCB 12/13/2024 REVIEWED BY: LDH 1/11/2025

SHEET TITLE

DEMOLITION PLAN

BID DOCUMENTS



LEGEND

— x— EXISTING FENCE
— PROPOSED FENCE

EXISTING PAVEMENT
EXISTING BUILDING

PROPOSED BUILDING
PROPOSED CONCRETE SLAB

PROPOSED CONCRETE SLAB

PROPOSED SUBGRADE (BASE BID)
PROPOSED HMA (ADD ALT 1)

EXISTING LIGHT POLE

—GAS— EXISTING GAS

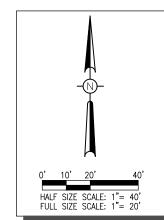
UNDERDRAIN CLEANOUT

UNDERDRAIN INSPECTION HOLE

CONSTRUCTION POINTS							
POINT NO. NORTHING EASTING							
1	1904743.18	2593456.19					
2	1904554.23	2593461.57					
3	1904555.48	2593504.55					
4	1904550.48	2593504.70					
5	1904552.52	2593574.67					
6	1904557.52	2593574.52					
7	1904558.77	2593617.50					
8	1904747.69	2593612.00					
9	1904746.44	2593569.02					
10	1904751.44	2593568.87					
11	1904749.40	2593498.90					
12	1904744.40	2593499.05					
13	1904744.55	2593504.05					
14	1904555.63	2593509.55					
15	1904557.37	2593569.52					
16	1904746.29	2593564.02					
17	1904690.97	2593353.44					
18	1904521.19	2593357.50					
19	1904545.58	2593652.44					
20	1904699.31	2593648.11					

NOTES

- PROPOSED HANGAR MUST BE A MINIMUM OF 52' FROM THE EXISTING T-HANGAR.
- 2. CONSTRUCTION POINTS SHOWN IN THE PLANS ARE APPROXIMATE AND WILL ULTIMATELY BE DETERMINED BY THE DIMENSIONS OF THE PROPOSED HANGAR. PROPOSED CONSTRUCTION POINTS ARE TO BE LAID OUT IN THE FIELD AND APPROVED BY BOTH THE PROJECT RESIDENT ENGINEER AND AIRPORT MANAGER PRIOR TO PROCEEDING WITH CONSTRUCTION.
- 3. SEE SHEET 8 PROPOSED TYPICAL SECTION FOR TYPICAL SECTION A-A.
- 4. SEE SHEETS 12 AND 13 FOR FENCE DETAILS AND NOTES.



BID DOCUMENTS



Offices Nationwide www.hanson-inc.com

Hanson Professional Services Inc. 1525 S. 6th Street Springfield, IL 62568 phone: 217-788-2450 fax: 217-788-2503

Illinois Licensed Professional Service Corporation #184-001084



ROCHELLE MUNICIPAL AIRPORT MAJOR THOMAS F. KORITZ FIELD

1201 West Gurler Road Rochelle, Illinois 61068 Telephone: 815.562.8619



DATE LICENSE SIGNED: 3/21/2025 EXPIRES: 11/30/2025

CONSTRUCT 8-UNIT T-HANGAR AND PAVEMENT SITEWORK

IDA No: RPJ-5150 SBG No: 3-17-SBGP-TBD

Ο.	DATE	DES	CRIPT	ION	
U.	DATE	DES	DWN	REV	
UE:	MARCH	21, 20)25		
).IF(OJECT NO: 23A1041.00				

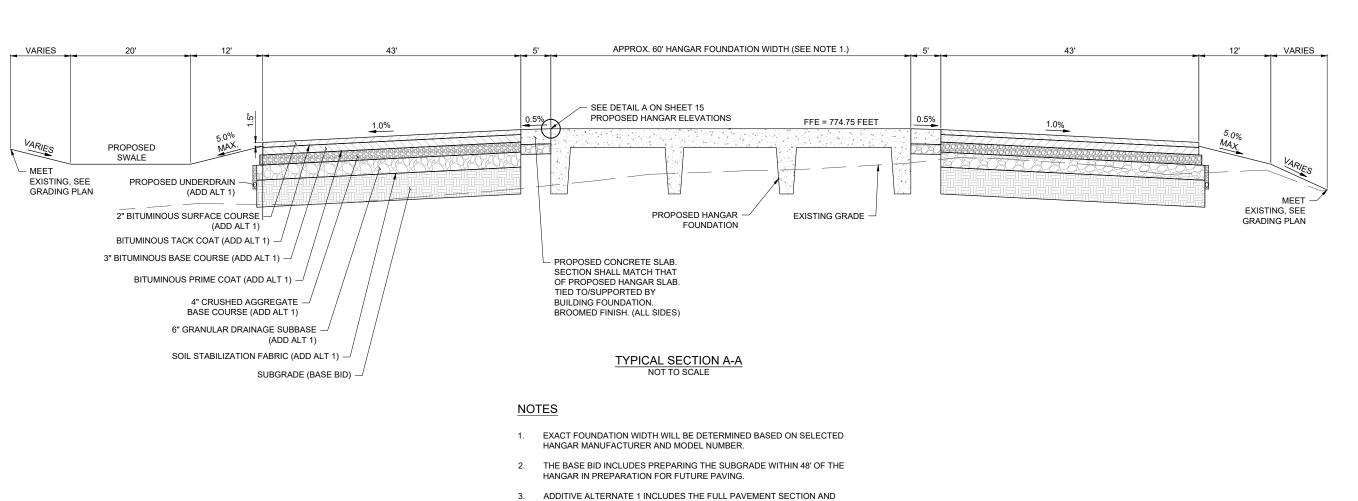
ISSUE: MARCH 21, 2025
PROJECT NO: 23A1041.00
CAD FILE: C-121-CON.DWG
DESIGN BY: KCB 12/13/2024
DRAWN BY: KCB 12/13/2024

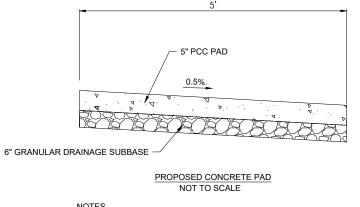
REVIEWED BY: LDH 1/11/2025

SHEET TITLE

PROPOSED CONSTRUCTION PLAN

7





NOTES

3/4" PREFORMED JOINT FILLER TO BE USED IN ALL LOCATIONS WHERE CONCRETE PAD IS ADJACENT TO PROPOSED HANGAR SLAB.

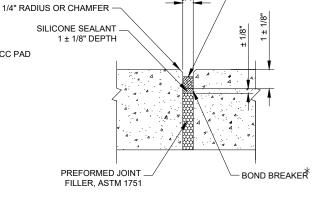
1. JOINTS ARE TO BE SPACED EVENLY, MAX. SPACING IS 5 FEET WITH 3/4" PREFORMED EXPANSION JOINTS AT 25' MAX. INTERVALS.

NEW PCC PAD -NEW HANGAR SEE SEALANT **FOUNDATION** DETAIL 1 AGGREGATE BASE COURSE EXPANSION JOINT

UNDERDRAINS

1/2" TOOLED JOINT NEW PCC PAD AGGREGATE BASE COURSE

TOOLED CONTRACTION JOINT



* POLYETHYLENE OR POLYESTER TAPE (3 MIL. MIN.) OR MARKING TAPE, RUBBER TAPE, 1/8" WIDER THAN WIDTH OF JOINT.

DETAIL 1 - SEALANT

PROPOSED CONCRETE PAD DETAILS

www.hanson-inc.com

Hanson Professional Services Inc. 1525 S. 6th Street Springfield, IL 62568 phone: 217-788-2450 fax: 217-788-2503

Illinois Licensed Professional Service Corporation #184-001084



ROCHELLE MUNICIPAL AIRPORT MAJOR THOMAS F. KORITZ FIELD 1201 West Gurler Road Rochelle, Illinois 61068 Telephone: 815.562.8619



DATE LICENSE SIGNED: 3/21/2025 EXPIRES: 11/30/2025

CONSTRUCT 8-UNIT T-HANGAR AND PAVEMENT SITEWORK

IDA No: RPJ-5150 SBG No: 3-17-SBGP-TBD

l NC	,	DATE	DES	CRIPT	ION
INC	, .	DAIL	DES	DWN	REV
ISSU	E:	MARCH	21, 20)25	
PRO	PROJECT NO: 23A1041.00				
CAD	CAD FILE: C-301-TYP.DWG				

DESIGN BY: KCB 1/2/2025 DRAWN BY: KCB 1/2/2025 REVIEWED BY: LDH 1/11/2025

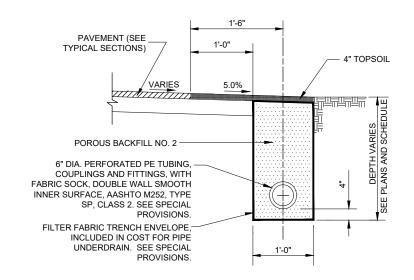
SHEET TITLE

PROPOSED TYPICAL SECTION

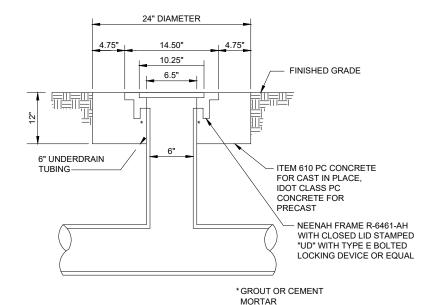
1/4" MAX. BELOW

PAD

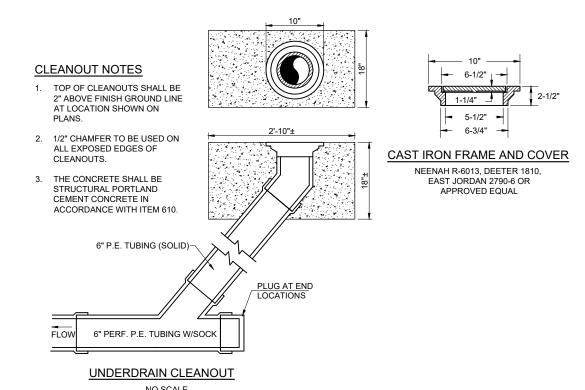
	DRAINAGE PIPE SCHEDULE								
PIPE NO.	FROM	то	L.F.	SLOPE	TYPE				
P1	UD1	UD2	201.5	0.20%	6" PERFORATED UNDERDRAIN W/SOCK				
P2	UD4	UD2	159.0	0.20%	6" PERFORATED UNDERDRAIN W/SOCK				
P3	UD3	UD4	201.5	0.20%	6" PERFORATED UNDERDRAIN W/SOCK				
P4	UD2	UD5	48.0	0.20%	6" PVC PIPE OUTLET				

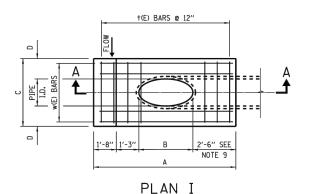


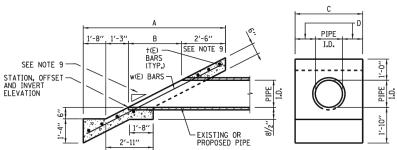
UNDERDRAIN ALONG PAVEMENT EDGE



UNDERDRAIN INSPECTION HOLE







SECTION A-A

ELEVATION

TABLES FOR DIMENSIONS, REINFORCEMENT AND QUANTITIES FOR ONE SLOPED HEADWALL TYPE I

PED HEADWALL DIMENSION TABLE - TYPE I				PIPE	REINFORCMENT BARS			
ED HEADWALL DIMENSION TABLE - TIPE I				MARK(E)	NO. &	LENGTH		
E I.D.	Α	В	С	D	1151	WIANKE	SIZE	LENGIH
6"	6'-8"	1'-3"	2'-6"	1'-0"	6"	+6	7-#4	2'-2"
12"	7'-11"	2'-6"	3'-0"	1'-0"	0	w6	4-#4	6'-8''
15"	8'-7"	3'-2"	3'-9"	1'-3"	12"	†12	7-#4	2'-8"
18"	9'-2"	3′-9′′	4'-6"	1'-6"	12	w12	4-#4	8'-2"
					15"	†15	7-#4	3'-5"
					13	w15	4-#4	8'-11"
						+10	7_#/	4'-2"

DIDE	REINFORCMENT BARS					TNCTO
PIPE I.D.	MARK(E)	NO. & SIZE	LENGTH		DESIGN NO.	INSID DIA. C PIPE
6"	+6	7-#4	2'-2"			
6	w6	4-#4	6'-8''		F-6-2	6′′
12"	+12	7-#4	2'-8"		F-12-2	12"
	w12	4-#4	8'-2"		F-15-2	15"
15"	†15	7-#4	3′-5′′		F-18-2	18"
13	w15	4-#4	8'-11''	l '		
18"	+18	7-#4	4'-2''			
10	w18	4-#4	9'-6''			

SLOPED HEADWALL TYPE I



www.hanson-inc.com

Hanson Professional Services Inc. 1525 S. 6th Street Springfield, IL 62568 phone: 217-788-2450 fax: 217-788-2503

Illinois Licensed Professional Service Corporation #184-001084



ROCHELLE MUNICIPAL AIRPORT MAJOR THOMAS F. KORITZ FIELD 1201 West Gurler Road Rochelle, Illinois 61068 Telephone: 815.562.8619



DATE | LICENSE | SIGNED: 3/21/2025 | EXPIRES: 11/30/2025

CONSTRUCT 8-UNIT T-HANGAR AND PAVEMENT **SITEWORK**

IDA No: RPJ-5150 SBG No: 3-17-SBGP-TBD

REINF. BARS. 1 HDWL. (POUND)

29

35

40

45

0.5

0.6

0.8

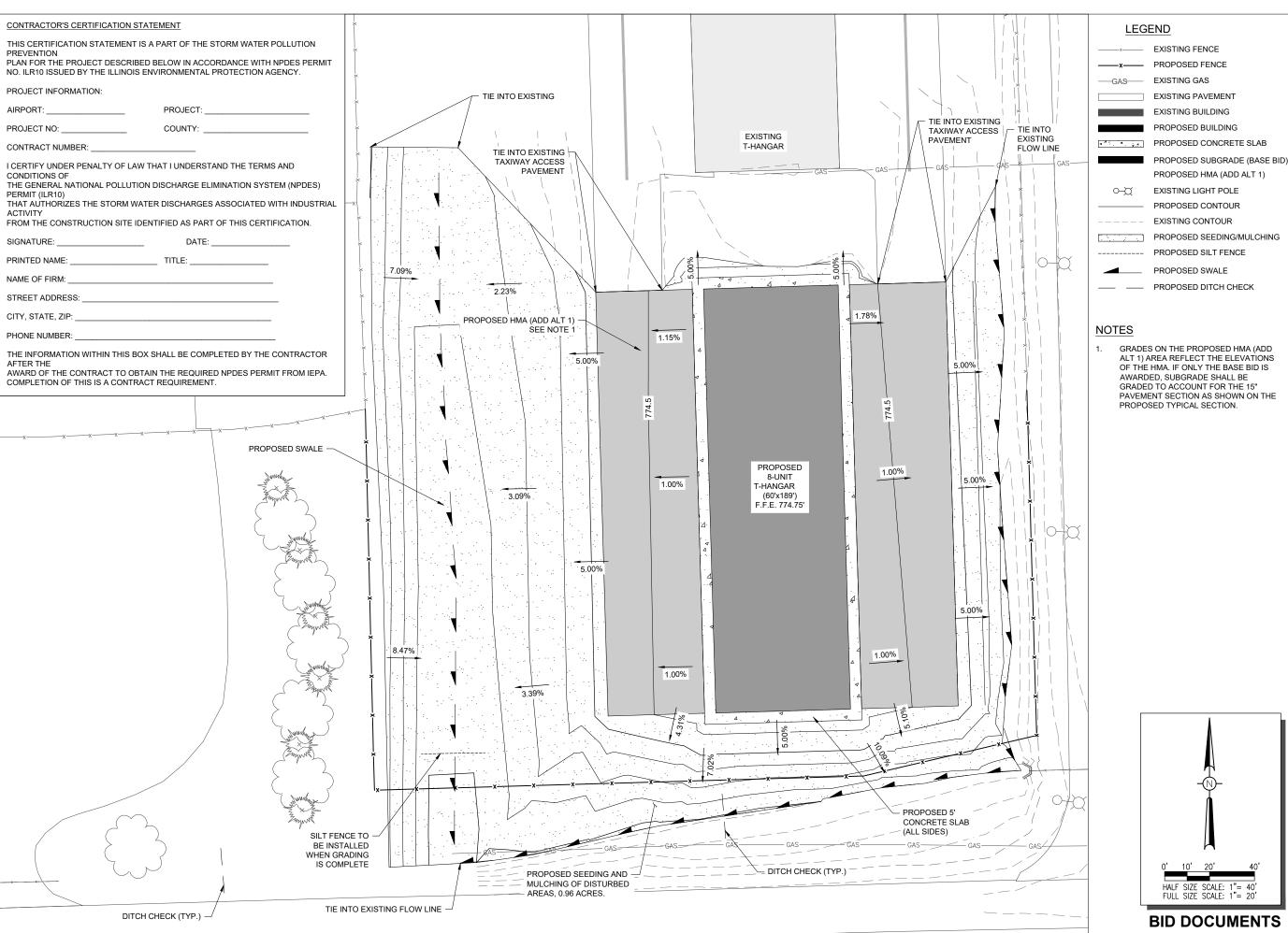
1.0

NO.	DATE	DES	CRIPT	ION
INO.	DATE	DES	DWN	REV
ISSUE:	MARCH	21, 20)25	
DDO IEC	T NO. 2	3 / 1 / 1	1.00	

CAD FILE: C-131-DRN.DWG DESIGN BY: KCB 3/20/2025 DRAWN BY: KCB 3/20/2025 REVIEWED BY: LDH 3/21/2025

SHEET TITLE

DRAINAGE SCHEDULES AND DETAILS



HANSON Engineering | Planning | Allied Servi

> Offices Nationwide www.hanson-inc.com

Hanson Professional Services Inc. 1525 S. 6th Street Springfield, IL 62568 phone: 217-788-2450 fax: 217-788-2503

Illinois Licensed Professional Service Corporation #184-001084



ROCHELLE MUNICIPAL AIRPORT MAJOR THOMAS F. KORITZ FIELD 1201 West Gurler Road

1201 West Gurler Road Rochelle, Illinois 61068 Telephone: 815.562.8619



DATE LICENSE SIGNED: 3/21/2025 EXPIRES: 11/30/2025

CONSTRUCT 8-UNIT T-HANGAR AND PAVEMENT SITEWORK

IDA No: RPJ-5150 SBG No: 3-17-SBGP-TBD

NO. DATE DESCRIPTION DES DWN REV

PROJECT NO: 23A1041.00

CAD FILE: C-181-GRD.DWG

DESIGN BY: KCB 1/2/2025

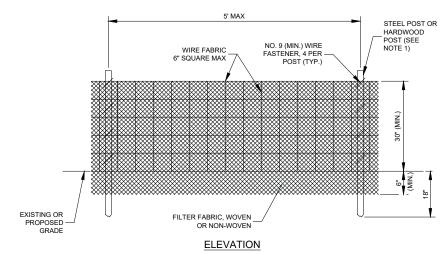
DRAWN BY: KCB 1/2/2025

REVIEWED BY: LDH 1/11/2025

SHEET TITLE

PROPOSED GRADING PLAN

FABRIC ANCHOR DETAIL



NOTES:

- 1. FENCE POST SHALL BE EITHER STEEL "T" LINE POST OR HARDWOOD POST WITH A MINIMUM SECTIONAL AREA OF 2.0 SQUARE INCHES. A CARPENTER'S (NOMINAL) 2"x2" POST WILL
- 2. TOP AND BOTTOM WIRE OF WIRE FABRIC SHALL BE MINIMUM GAGE NO. 9. INTERMEDIATE WIRES OF THE WIRE FABRIC SHALL BE MINIMUM GAGE NO. 11.
- 3. WIRE FABRIC SHALL BE SECURELY FASTENED TO FENCE POSTS WITH NO. 9 GAGE WIRE MINIMUM. FOUR (4) FASTENERS PER POST REQUIRED
- 4. FILTER FABRIC SHALL BE SECURELY FASTENED TO WIRE FABRIC AND POSTS WITH TIES OR STAPLES SPACED AT 12" APART AT THE TOP, MIDDLE AND BOTTOM.
- 5. WHEN TWO SECTIONS OF FILTER FABRIC MEET, THEY SHALL BE OVERLAPPED BY 6" AND FOLDED AND ATTACHED TO THE WIRE FABRIC AT A POST
- 6. FILTER FABRIC SHALL BE IN ACCORDANCE WITH SPECIAL PROVISIONS WITH APPARENT OPENING SIZE (AOS) OF AT LEAST 40 FOR NONWOVEN AND WOVEN. THE FABRIC MUST MEET THE APPLICABLE STANDARDS OF AASHTO 288-00 (Article IV, Section B.1.j.1.f.i, AS AMENDED), OR EQUIVALENT
- 7. A MAXIMUM OF 5 FEET IS USED FOR POST-TO-POST SPACING.
- 8. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES
- 9. ALL STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE
- 10. SILT FENCE SHALL BE INSTALLED PRIOR TO ANY GRADING WORK IN THE AREA TO BE PROTECTED. PERIODIC INSPECTION SHALL BE PERFORMED AND REQUIRED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN EVENT.
- 11. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED AND REPLACED WHEN BULGES DEVELOP IN THE SILT FENCE.
- 12. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM FROSION, DISCHARGES SHALL BE ROLLED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE (E.G. SEDIMENT TRAP, SEDIMENT BASIN, OR OTHER APPROPRIATE MEASURE).
- 13. FENCE POSTS SHALL BE REMOVED WHEN DIRECTED AT PROJECT END.
- 14. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER OR GOVERNING AGENCY

SEDIMENTATION AND EROSION CONTROL NOTES:

- A SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF
- B. FOR THOSE DEVELOPMENTS THAT REQUIRE A DESIGNATED EROSION CONTROL INSPECTOR (DECI), INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED. AT A MINIMUM:
 - UPON COMPLETION OF SEDIMENT AND RUNOFF CONTROL MEASURES (INCLUDING PERIMETER CONTROLS AND DIVERSIONS), PRIOR TO PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING.
 AFTER EVERY SEVEN (7) CALENDAR DAYS OR STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID.
 - EQUIVALENT PRECIPITATION
- C. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. IF STRIPPING, CLEARING GRADING, OR LANDSCAPING ARE TO BE DONE IN PHASES, THE PERMITTEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.
- D. A STABILIZED MAT OF CRUSHED STONE MEETING IDOT GRADATION CA-01 UNDERLAIN WITH FILTER FABRIC AND IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL, OR OTHER APPROPRIATE MEASURE(S) AS APPROVED BY THE RECORDANCE WITH THE ILLING'S ORBAN WARVAR, OF THE NETFORMALE MEASURE(S) AS A PROVED BY THE ENFORCEMENT OFFICER, SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT OF WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
- E. TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN.
- DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) CALENDAR DAYS FOLLOWING THE END OF ACTIVE HYDROLOGIC DISTURBANCE OR REDISTURBANCE.
- G. ALL STOCKPILES SHALL HAVE APPROPRIATE MEASURES TO PREVENT EROSION. STOCKPILES SHALL NOT BE PLACED IN FLOOD PRONE AREAS OR WETLANDS AND DESIGNATED BUFFERS.
- H. SLOPES STEEPER THAN 3H:1V SHALL BE STABILIZED WITH APPROPRIATE MEASURES AS APPROVED BY THE ENFORCEMENT
- APPROPRIATE EROSION CONTROL BLANKET SHALL BE INSTALLED ON ALL INTERIOR DETENTION BASIN SIDE SLOPES BETWEEN THE NORMAL WATER LEVEL AND HIGH WATER LEVEL.
- J. STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE
- K. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DISCHARGES SHALL BE ROUTED THROUGH AN APPROVED ANIONIC POLYMER DEWATERING SYSTEM OR A SIMILAR MEASURE AS APPROVED BY THE ENFORCEMENT OFFICER, DEWATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE ENFORCEMENT OFFICER, OR APPROVED REPRESENTATIVE, MUST BE PRESENT AT THE COMMENCEMENT OF DEWATERING ACTIVITIES.
- L. IF INSTALLED SOIL FROSION AND SEDIMENT CONTROL MEASURES DO NOT MINIMIZE SEDIMENT LEAVING THE DEVELOPMENT SITE, ADDITIONAL MEASURES SUCH AS ANIONIC POLYMERS OR FILTRATION SYSTEMS MAY BE REQUIRED BY THE ENFORCEMENT OFFICER.
- ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE PROPERTY OWNER SHALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND REPAIR.
- ALL TEMPORARY SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED
- O. THE FROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES. MAY BE REQUIRED. AS DIRECTED BY THE ENGINEER, ENFORCEMENT OFFICER, OR OTHER GOVERNING AGENCY

FLOW

STORM WATER POLLUTION PREVENTION NOTES

THE CONTRACTOR SHALL IMPLEMENT ALL PROVISIONS OF THE CONTRACT DOCUMENTS TO ASSURE THAT STORM WATER POLLUTION PREVENTION ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY MANNER. SEDIMENTATION MUST NOT BE TRANSPORTED OFF THE CONSTRUCTION SITE. PERMANENT DRAINAGE FEATURES AND VEGETATIVE MEASURES SHALL BE PROVIDED AS SOON AS POSSIBLE.

THE MAINTENANCE OF ALL STORM WATER POLLUTION PREVENTION MEASURES IS INCIDENTAL TO THE ASSOCIATED ITEM.

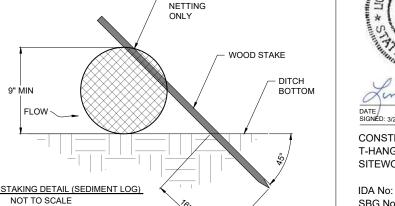
POLLUTION PREVENTION MEASURES

THE CONTRACTOR SHALL BE REQUIRED TO IMPLEMENT AND MAINTAIN STORM WATER POLLUTION PREVENTION PRACTICES AND MEASURES PRIOR TO THE STRIPPING OF EXISTING VEGETATION WHEREVER POSSIBLE AND AS SOON AS CONSTRUCTION PERMITS IN OTHER AREAS. POLLUTION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, INCLUDING THESE CONSTRUCTION PLANS, AND WITH <u>STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL</u>, ILLINOIS ENVIRONMENTAL PROTECTION AGENCY, CURRENT ISSUE. THE CONTRACTOR SHALL ADJUST HIS OPERATIONS AND IMPLEMENT POLLUTION CONTROL MEASURES SO THAT NO RUNOFF FROM STRIPPED AREAS WILL LEAVE THE CONSTRUCTION SITE OTHER THAN THROUGH SEDIMENT TRAPS OR OTHER SUITABLE CONTROL MEASURES.

POLLUTION CONTROL ITEMS SHALL BE PROVIDED AS NOTED ON THE STORM WATER POLLUTION PREVENTION PLAN AND IN THE STORM WATER POLLUTION PREVENTION DETAILS AND AS DIRECTED BY THE ENGINEER. THE LIMITS OF SUCH MEASURES SHALL BE STAKED BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. SUCH LIMITS MAY BE ADJUSTED BY THE ENGINEER TO ACCOUNT FOR ACTUAL SITE CONDITIONS EXPERIENCED DURING CONSTRUCTION.
ADDITIONAL COMPENSATION FOR MEASURES EXCEEDING THE PLAN QUANTITIES WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR EACH ITEM.

THE CONTRACTOR IS TO MAINTAIN AND ADJUST, REPAIR OR REPLACE ALL POLLUTION PREVENTION MEASURES AS REQUIRED OR AS DIRECTED BY THE ENGINEER UNTIL PERMANENT VEGETATION HAS BEEN ESTABLISHED. MAINTENANCE OF POLLUTION CONTROL MEASURES IS TO BE PROVIDED AT NO ADDITIONAL COST TO THE CONTRACT.

ADDITIONAL STORMWATER POLLUTION PREVENTION MEASURES ARE EXISTING ON SITE LOCATED AT DRAINAGE FACILITIES AND ALONG THE PROPERTY LINE.



PENETRATE

DITCH CHECK STAKING DETAIL (SEDIMENT LOG)

DITCH CHECK DETAIL (SEDIMENT LOG)

NOT TO SCALE

STAKE REQUIRED AT TOE OF SLOPE (TYP.)

DESIGN BY: KCB 12/13/2024 DRAWN BY: KCB 12/13/2024 REVIEWED BY: LDH 1/11/2025

SHEET TITLE

SWPPP DETAILS

BID DOCUMENTS

Offices Nationwide www.hanson-inc.com

Hanson Professional Services Inc. 1525 S. 6th Street Springfield, IL 62568 phone: 217-788-2450 fax: 217-788-2503

Illinois Licensed Professional Service Corporation #184-001084



ROCHELLE MUNICIPAL AIRPORT MAJOR THOMAS F KORITZ FIELD 1201 West Gurler Road Telephone: 815.562.8619

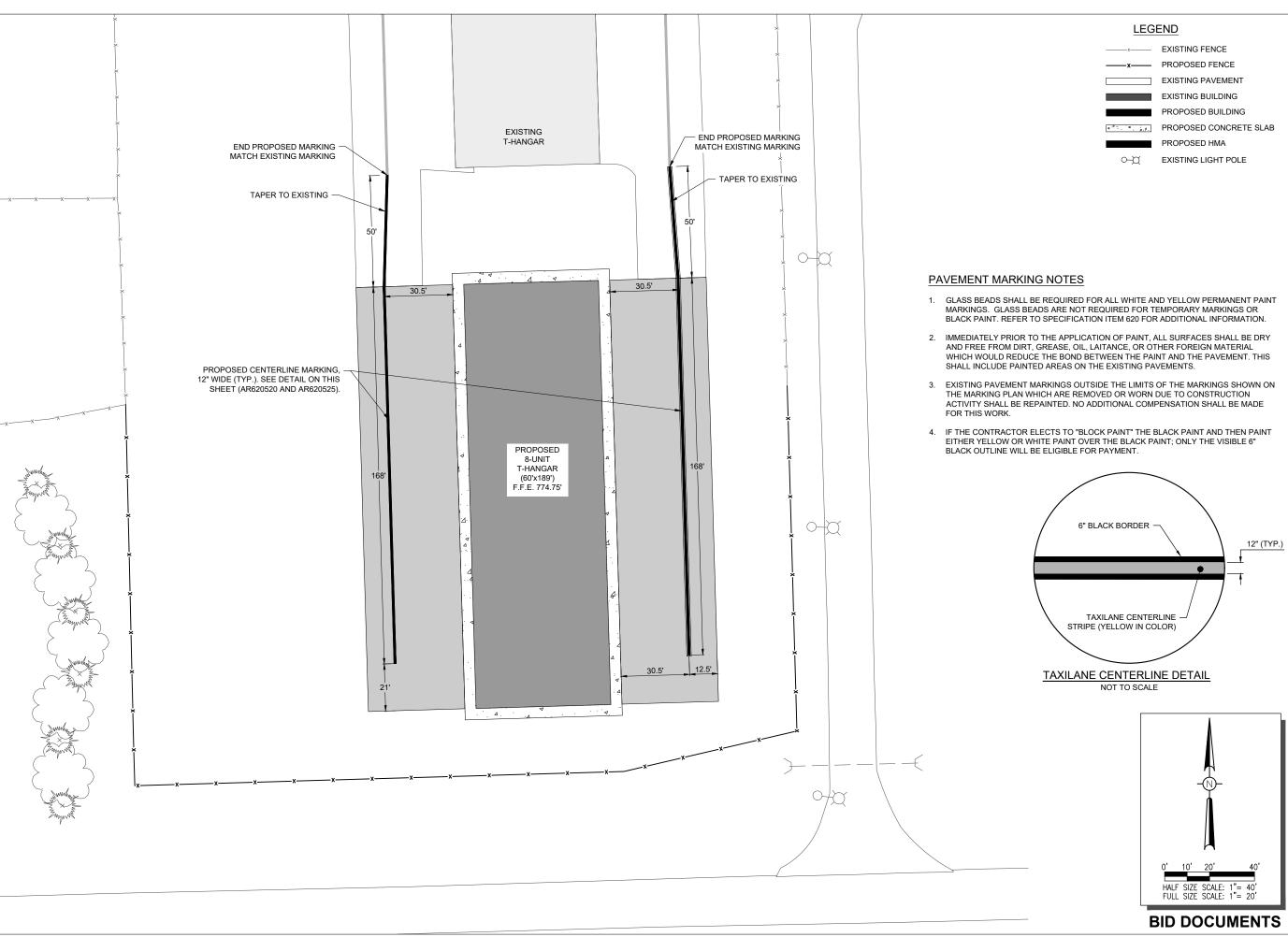


SIGNÉD: 3/21/2025 EXPIRES: 11/30/2025

CONSTRUCT 8-UNIT T-HANGAR AND PAVEMENT **SITEWORK**

IDA No: RPJ-5150 SBG No: 3-17-SBGP-TBD

l N	Ο.	DATE	DES	CRIPT	ION
IN	U.	DATE	DES	DWN	REV
ISS	UE:	MARCH	21, 20)25	
PRO	DJEC	CT NO: 2	3A104	1.00	
CAI) FIL	E: C-18	1-GRD	.DWG	



HANSON Engineering | Planning | Allied Servi

> Offices Nationwide www.hanson-inc.com

Hanson Professional Services Inc. 1525 S. 6th Street Springfield, IL 62568 phone: 217-788-2450 fax: 217-788-2503

Illinois Licensed Professional Service Corporation #184-001084



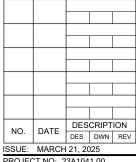
ROCHELLE MUNICIPAL AIRPORT MAJOR THOMAS F. KORITZ FIELD 1201 West Gurler Road Rochelle, Illinois 61068 Telephone: 815.562.8619



DATE LICENSE SIGNED: 3/21/2025 EXPIRES: 11/30/2025

CONSTRUCT 8-UNIT T-HANGAR AND PAVEMENT SITEWORK

IDA No: RPJ-5150 SBG No: 3-17-SBGP-TBD



PROJECT NO: 23A1041.00

CAD FILE: C-151-MRK.DWG

DESIGN BY: KCB 12/13/2024

DRAWN BY: KCB 12/13/2024

REVIEWED BY: LDH 1/11/2025

SHEET TITLE

PROPOSED MARKING PLAN - ADD ALT 2

Offices Nationwide www.hanson-inc.cor

Hanson Professional Services Inc. 1525 S. 6th Street Springfield, IL 62568 phone: 217-788-2450 fax: 217-788-2503

Illinois Licensed
Professional Service Corporation
#184-001084



ROCHELLE MUNICIPAL AIRPORT MAJOR THOMAS F. KORITZ FIELD 1201 West Gurler Road Rochelle, Illinois 61068 Telephone: 815.562.8619

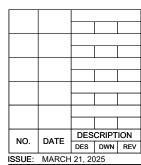


Lindsay Hausman

SIGNED: 3/21/2025 EXPIRES: 11/30/203

T-HANGAR AND PAVEMENT SITEWORK

IDA No: RPJ-5150 SBG No: 3-17-SBGP-TBD



ISSUE: MARCH 21, 2025 PROJECT NO: 23A1041.00

CAD FILE: C-501-FEN.DWG

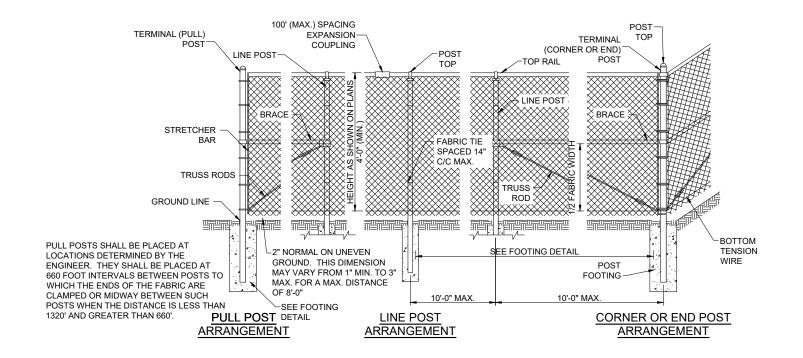
DESIGN BY: KCB 1/13/2025

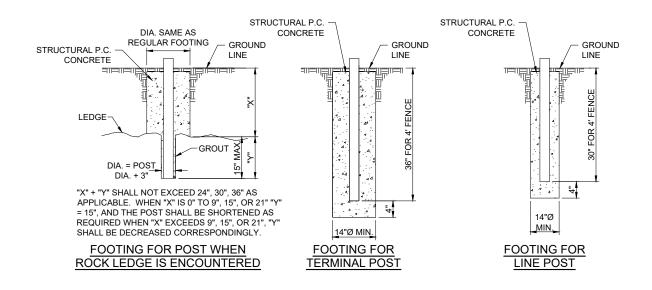
DRAWN BY: KCB 1/13/2025

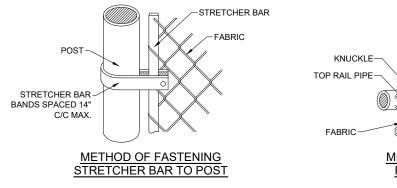
REVIEWED BY: LDH 1/15/2025

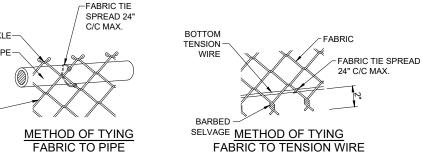
SHEET TITLE

FENCE DETAILS



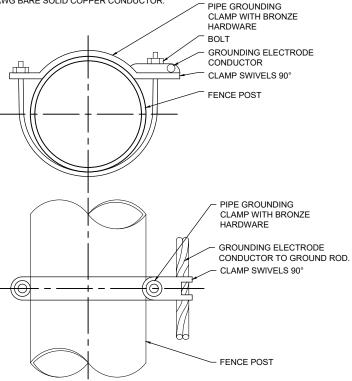






GROUNDING NOTE:

CONTINUOUS FENCE SHALL BE GROUNDED AT INTERVALS NOT EXCEEDING 500 FT IN URBAN AREAS AND 1,000 FT IN RURAL AREAS. THERE SHALL BE A GROUND WITHIN 100 FT OF GATES IN EACH SECTION OF THE FENCE ADJACENT TO THE GATE. FENCE UNDER A POWER LINE SHALL BE GROUNDED BY THREE GROUNDS; ONE DIRECTLY UNDER THE CROSSING AND ONE ON EACH SIDE 25 FT TO 50 FT AWAY. A SINGLE GROUND SHALL BE LOCATED DIRECTLY UNDER EACH TELEPHONE WIRE OR CABLE CROSSING. THE COUNTERPOISE GROUND SHALL BE USED ONLY WHERE IT IS IMPOSSIBLE TO DRIVE A GROUND ROD. THE GROUND WIRE SHALL BE CONNECTED TO THE FABRIC AND TENSION WIRE WITH UL LISTED GROUNDING CONNECTORS/FENCE FABRIC GROUND CLAMPS: BURNDY CATINO FEGC6 HARGER CATINO FGC6 OR APPROVED FOUND ADJUST FENCE FABRIC GROUND CLAMP SELECTION FOR GROUND WIRES LARGER THAN #6 AWG. GROUNDING CONNECTORS SHALL BE SIZED AND SUITABLE FOR THE RESPECTIVE APPLICATION. CONNECTIONS TO GROUND RODS SHALL BE WITH UL LISTED GROUNDING CONNECTORS SUITABLE FOR DIRECT BURIAL IN EARTH OR EXOTHERMIC WELD TYPE CONNECTORS, CADWELD BY ERICO PRODUCTS, INC., ULTRAWELD BY HARGER, OR THERMOWELD BY CONTINENTAL INDUSTRIES, INC. EXOTHERMIC WELD CONNECTIONS SHALL BE INSTALLED IN CONFORMANCE WITH THE RESPECTIVE MANUFACTURER'S DIRECTIONS USING MOLDS SUITABLE FOR EACH RESPECTIVE APPLICATION. GROUND RODS SHALL BE 5/8-IN. DIAMETER BY 8 FT LONG (MINIMUM), UL-LISTED, COPPER-CLAD. THE GROUND WIRE USED TO BOND THE FENCE FABRIC AND TENSION WIRE TO THE GROUND ROD SHALL BE #6 AWG BARE SOLID COPPER CONDUCTOR



PIPE GROUNDING CLAMP TABLE (OR APPROVED EQUAL)				
BURNDY CAT. NO.	THOMAS & BETTS CAT. NO.	PIPE SIZE		
GAR3902-BU	3902BU	1/2" - 1"		
GAR3903-BU	3903BU	1 1/4" - 2"		
GAR3904-BU	3904BU	2 1/2" - 3 1/2"		
GAR3905-BU	3905BU	4" - 5"		
GAR3906-BU	3906BU	6"		

- PIPE GROUNDING CLAMPS SHALL HAVE BRONZE HARDWARE, BE CORROSION RESISTANT, SUITABLE FOR DIRECT BURIAL IN EARTH OR CONCRETE, & UL467 LISTED.
- CONNECT FENCE POST TO GROUND ROD WHERE ACCESS TO FENCE FABRIC IS NOT AVAILABLE TO ACCOMMODATE PROTECTIVE ELECTRICAL GROUND AT A GATE.

FENCE POST GROUNDING CLAMP DETAIL NOT TO SCALE

GENERAL NOTES

- 1 FABRIC THE FABRIC MAY BE WOVEN WITH FITHER ZINC COATED STEEL WIRE OR ALLIMINUM-ALLOY WIRE IN A 2-INCH MESH, COATED WIRE AND ALUMINUM-ALLOY SHALL HAVE A DIAMETER OF 0.148 INCHES. THE FABRIC SHALL MEET THE FOLLOWING REQUIREMENTS:
 - ZINC-COATED STEEL FABRIC SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 181, TYPE 1, CLASS D. THE FABRIC SHALL BE
- B. ALUMINUM-COATED STEEL FABRIC SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 181 TYPE II. THE UNIT WEIGHT OF THE COATING SHALL BE DETERMINED IN ACCORDANCE WITH AASHTO T 213. THE ALUMINUM-COATED STEEL FABRIC SHALL BE GIVEN A CLEAR ORGANIC COATING AFTER FABRICATION
- C. ALUMINUM-ALLOY FABRIC SHALL BE MADE FROM WIRE CONFORMING TO THE REQUIREMENTS OF AASHTO M 181 TYPE III.
- D. VINYL-COATED FABRIC IS NOT INCLUDED.
- E. ZINC-5% ALUMINUM-MISCHMETAL ALLOY-COATED STEEL SHALL CONFORM TO THE REQUIREMENTS OF ASTM F 1345, CLASS 2.
- 2. METAL POSTS METAL POSTS (LINE, CORNER, END, PULL AND GATE POSTS) SHALL BE THE SHAPES, DIMENSIONS, AND WEIGHT SHOWN IN THE TABLES WITHIN IDOT STANDARD 664001-02- CHAIN LINK FENCE. FOR THE SHAPES IDENTIFIED BELOW
 - A STEEL PIPE TYPE A SHALL BE HOT-DIPPED GALVANIZED CONFORMING TO THE REQUIREMENTS OF ASTM F 1083
 - STEEL PIPE, TYPE B, SHALL BE MANUFACTURED FROM COLD ROLLED ELECTRIC RESISTANCE WELDED, HEATED AND TEMPERED STEEL. THE STEEL STRIP USED IN THE MANUFACTURE OF THE PIPE SHALL CONFORM TO ASTM A 569 OR ASTM A 607. THE WALL THICKNESS SHALL NOT BE LESS THAN THAT SHOWN IN THE TABLES. THE PRODUCT OF THE YIELD STRENGTH AND SECTION MODULUS OF THE PIPE SHALL NOT BE LESS THAN THAT OF THE PIPE MEETING THE REQUIREMENTS OF ASTM F 1083

THE PROTECTIVE COATINGS SHALL BE AS FOLLOWS:

- EXTERNAL AND INTERNAL HOT-DIPPED ZINC COATING ACCORDING TO ASTM F1083.
- EXTERNAL COATING SHALL BE IN-LINE HOT-DIPPED ZINC COATING AFTER FABRICATION FOLLOWED BY A CHROMATE CONVERSION COATING WITH AN ELECTROSTATIC THERMOPLASTIC FINISH. THE ZINC COATING SHALL BE NOT LESS THAN .9 OUNCES PER SQUARE FOOT OF SURFACE. THE CHROMATE COATING WEIGHT SHALL BE 30 MICROGRAMS + .0002 INCHES.
- THE INTERNAL SURFACE SHALL BE GIVEN CORROSION PROTECTION BY IN-LINE APPLICATION OF A FULL ZINC BASE ORGANIC COATING AFTER FABRICATION. THE COATING SHALL BE 87% ZINC POWDER BY WEIGHT AND CAPABLE OF PROVIDING GALVANIC PROTECTION. THE THICKNESS SHALL BE A MINIMUM OF .5 MIL. THE EXTERNAL PROTECTIVE COATING SHALL BE CAPABLE OF WITHSTANDING THE

EXPOSURE TEST ASTM DESIGNATION EXPOSURE TIME SALT SPRAY ASTM B 117 1000 HRS MIN

HUMIDITY ASTM D 2247 500 HRS MIN WEATHERING ASTM G 23 500 HRS, MIN.

THE INTERNAL PROTECTIVE COATING SHALL BE CAPABLE OF WITHSTANDING EXPOSURE TO SALT SPRAY, ASTM B 117, FOR A MINIMUM

- C. STEEL PIPE, TYPE C, SHALL BE MANUFACTURED BY ROLLED FORMING ALUMINIZED STEEL TYPE 2 STRIP AND ELECTRIC RESISTANCE WELDING INTO TUBULAR FORM. THE OUTSIDE OF THE WELD AREA SHALL BE METALLIZED WITH COMMERCIALLY PURE ALUMINUM TO A THICKNESS SUFFICIENT TO PROVIDE RESISTANCE TO CORROSION EQUAL TO THAT OF THE REMAINDER OF THE OUTSIDE OF THE TUBE. THE ALUMINUM COATING WEIGHT SHALL BE A MINIMUM OF 0.75 OUNCES PER SQUARE FOOT, TRIPLE SPOT TEST, 0.70 OUNCES PER SQUARE FOOT SINGLE SPOT TEST, AS MEASURED IN ACCORDANCE WITH ASTM A 428. THE STEEL STRIP USED IN THE MANUFACTURE OF THE PIPE SHALL CONFORM TO ASTM A 787 TYPE 1 AND SHALL HAVE A MINIMUM YIELD STRENGTH OF 50 000 P.S.L. THE WEIGHT OF THE PIPE SHALL NOT BE LESS THAN THAT SHOWN ON THE PLANS AND THE PRODUCT OF THE YIELD STRENGTH AND SECTION MODULUS OF THE PIPE SHALL NOT BE LESS THAN THAT OF PIPE MEETING THE REQUIREMENTS OF ASTM A 120.
- D. SQUARE HOLLOW STRUCTURAL TUBING SHALL CONFORM TO THE REQUIREMENTS OF ASTM A 500. GRADE B OR ASTM A 501. THE TUBING SHALL BE GALVANIZED INSIDE AND OUTSIDE IN ACCORDANCE WITH AASHTO M 111, USING ZINC OF ANY GRADE CONFORMING TO THE REQUIREMENT OF AASHTO M 120. THE ZINC COATING SHALL NOT BE LESS THAN 2.0 OUNCES PER SQUARE FOOT OF SURFACE.
- E. STRUCTURAL SHAPES SHALL BE EXCLUDED
- 3. BOTTOM TENSION WIRE THE BOTTOM TENSION WIRE SHALL BE #9 GAUGE GALVANIZED STEEL WIRE MEETING THE REQUIREMENTS OF AASHTO M 181, THE WIRE SHALL BE STRETCHED TIGHT WITH GALVANIZED TURNBUCKLES SPACED AT INTERVALS NOT MORE THAN 1,000 FEET. THE ZINC COATING SHALL BE NOT LESS THAN 12 OUNCES PER SQUARE FOOT OF SURFACE.
- 4. METAL BRACES METAL BRACES SHALL HAVE THE SHAPES SHOWN ON THE PLANS AND AT THE DIMENSIONS SHOWN WITHIN THE TABLE WITHIN IDOT STANDARD 664001-02 - CHAIN LINK FENCE. THEY SHALL BE ACCORDING TO THE SPECIFICATIONS FOR METAL POSTS, EITHER STEEL PIPE, STRUCTURAL SHAPE OR ROLLED FORMED SECTION AND SHALL BE GALVANIZED AS SPECIFIED FOR METAL POSTS
- 5. STRUCTURAL P.C. CONCRETE THE STRUCTURAL P.C. CONCRETE SHALL CONFORM TO IDOT CLASS SI CONCRETE. A HIGH EARLY STRENGTH CONCRETE MAY BE USED. THE CONCRETE MIX DESIGN SHALL BE REVIEWED AND APPROVED BY THE IDOT AERONAUTICS MIXTURES CONTROL ENGINEER PRIOR TO USE ON THE PROJECT
- 6. BOLTS AND NUTS ALL BOLTS AND NUTS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A 307 AND SHALL BE ZINC-COATED IN ACCORDANCE WITH AASHTO M 298, CLASS 50 OR ASTM A 153.
- 7. WIRE TIES AND TENSION WIRE WIRE FABRIC TIES, WIRE TIES, AND TENSION WIRE FURNISHED FOR USE IN CONJUNCTION WITH A GIVEN TYPE OF FABRIC SHALL BE OF THE SAME MATERIAL AND COATING WEIGHT IDENTIFIED WITH THE FABRIC TYPE. ZINC-COATED STEEL WIRE, ALUMINUM-COATED STEEL WIRE, AND ALUMINUM ALLOY WIRE SHALL CONFORM TO REQUIREMENTS OF AASHTO M 181, TYPE I CLASS 2 OR TYPE II. THE TOP TENSION WIRE WILL BE DELETED IN LIEU OF THE TOP RAIL WHEN TOP RAIL IS REQUIRED. THE BOTTOM TENSION WIRE IS
- TOP RAILS THE TOP RAILS SHALL BE 1.66 INCH O.D., GALVANIZED OR ALUMINUM COATED PIPE HAVING A MINIMUM BENDING STRENGTH OF 202 LBS. AT THE CENTER OF A 10 FT. SPAN AND WILL BE REQUIRED.

Offices Nationwid

Hanson Professional Services Inc. 1525 S. 6th Street Springfield, IL 62568 hone: 217-788-2450 fax: 217-788-2503

Illinois Licensed Professional Service Corporatio #184-001084



ROCHELLE MUNICIPAL AIRPORT MAJOR THOMAS F. KORITZ FIELD

1201 West Gurler Road Rochelle, Illinois 61068 Telephone: 815.562.8619



Xundoa

CONSTRUCT 8-UNIT T-HANGAR AND PAVEMENT

IDA No: RPJ-5150 SBG No: 3-17-SBGP-TBD

SITEWORK

	NO.	DATE	DES	CRIPT	ION
	NO.		DES	DWN	RE\
ı	ISSUE:	MARCH	21, 20)25	

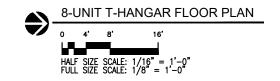
PROJECT NO: 23A1041.00

CAD FILE: C-501-FEN.DWG DESIGN BY: KCB 1/13/2025 DRAWN BY: KCB 1/13/2025

REVIEWED BY: LDH 1/15/2025

SHEET TITLE

FENCE NOTES



ALL DIMENSIONS ARE APPROXIMATE.
DIMENSIONS MAY VARY SLIGHTLY
DEPENDING ON MANUFACTURER.
BUILDING SHALL BE 60 FEET WIDE.

NOTES:

- 1. PLEASE NOTE THAT NO ARCHITECT'S OR STRUCTURAL ENGINEER'S SEAL IS PROVIDED WITH THESE CONSTRUCTION PLANS. THE FLOOR PLAN DIMENSIONS ARE MINIMUM. THE CONTRACTOR SELECTED WILL BE REQUIRED TO PRODUCE THE ACTUAL PLANS FOR THE BUILDING ITSELF, INCLUDING A SEAL FROM AN ARCHITECT OR STRUCTURAL ENGINEER LICENSED IN THE STATE OF ILLINOIS.
- SEE SHEET 16 HANGAR NOTES.



Offices Nationwide www.hanson-inc.com

Hanson Professional Services Inc. 1525 S. 6th Street Springfield, IL 62568 phone: 217-788-2450 fax: 217-788-2503

Illinois Licensed Professional Service Corporation #184-001084



ROCHELLE MUNICIPAL AIRPORT MAJOR THOMAS F. KORITZ FIELD 1201 West Gurler Road Rochelle, Illinois 61068 Telephone: 815.562.8619

DATE LICENSE SIGNED: EXPIRES:

CONSTRUCT 8-UNIT T-HANGAR AND PAVEMENT SITEWORK

IDA No: RPJ-5150 SBG No: 3-17-SBGP-TBD

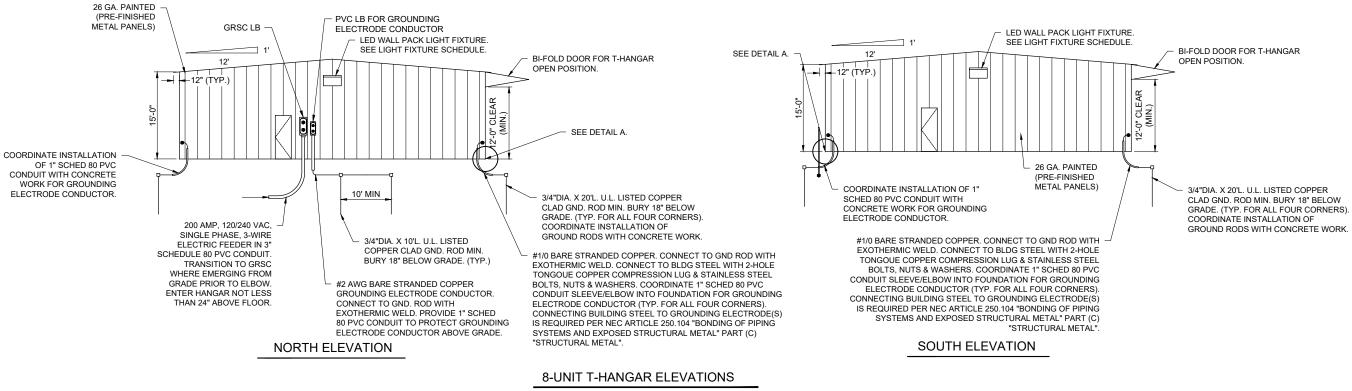
	NO.	DATE	DESCRIPTION			
	NO.	DATE	DES	DWN	REV	
	ISSUE:	MARCH	21, 20)25		
į	PROJEC	CT NO: 2	3A104	1.00		
	CAD FIL	E: A-101	I-PLN.I	DWG		
	DESIGN	BY: KC	B 12/	11/202	4	

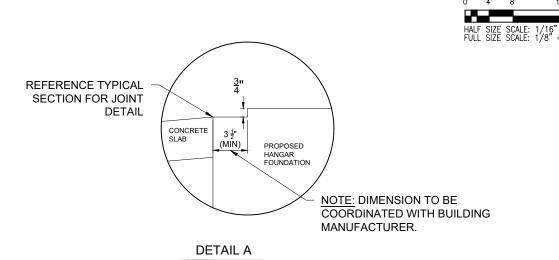
SHEET TITLE

PROPOSED HANGAR LAYOUT

DRAWN BY: KCB 12/11/2024 REVIEWED BY: KNL 1/2/2025

EAST AND WEST ELEVATION





NOTES:

- 1. PLEASE NOTE THAT NO ARCHITECT'S OR STRUCTURAL ENGINEER'S SEAL IS PROVIDED WITH THESE CONSTRUCTION PLANS. THE DIMENSIONS ARE MINIMUM. THE CONTRACTOR SELECTED WILL BE REQUIRED TO PRODUCE AND SUBMIT THE ACTUAL PLANS FOR THE BUILDING ITSELF, INCLUDING A SEAL FROM AN ARCHITECT OR STRUCTURAL ENGINEER LICENSED IN THE STATE OF ILLINOIS.
- 2. HANGAR CLASSIFICATION: NFPA 409 GROUP III, TYPE II (000) CONSTRUCTION WITH A MAXIMUM SINGLE FIRE AREA OF 12,000 S.F.
- 3. PROVIDE HANGAR IDENTIFICATION/NUMBER LABELING ON THE MAN DOOR TO EACH HANGAR.
- 4. SEE "HANGAR NOTES" SHEET.
- 5. COORDINATE ELECTRICAL WORK WITH BUILDING WORK, CONCRETE WORK, AND SITE WORK.
- 6. BUILDING HEIGHT DIMENSION IS APPROXIMATE AND WILL ULTIMATELY BE DETERMINED BASED ON SELECTED MANUFACTURER AND MODEL NUMBER.

HANSON Engineering | Planning | Allied Service

Offices Nationwide www.hanson-inc.com

Hanson Professional Services Inc. 1525 S. 6th Street Springfield, IL 62568 phone: 217-788-2450 fax: 217-788-2503

Illinois Licensed
Professional Service Corporation
#184-001084



ROCHELLE MUNICIPAL AIRPORT MAJOR THOMAS F. KORITZ FIELD 1201 West Gurler Road Rochelle, Illinois 61068 Telephone: 815.562.8619

DATE LICENSE SIGNED: EXPIRES

CONSTRUCT 8-UNIT T-HANGAR AND PAVEMENT SITEWORK

IDA No: RPJ-5150 SBG No: 3-17-SBGP-TBD

NO.	DATE	DES	CRIPT	ION
NO.	DATE	DES	DWN	REV
ISSUE:	MARCH	121, 20)25	
PROJEC	CT NO: 2	3A104	1.00	

CAD FILE: A-201-ELEV.DWG
DESIGN BY: KCB 12/11/2024
DRAWN BY: KCB 12/11/2024
REVIEWED BY: KNL 1/2/2025

SHEET TITLE

PROPOSED HANGAR ELEVATIONS

BID DOCUMENTS

METAL BUILDING NOTES

- PLEASE NOTE THAT NO ARCHITECT'S OR STRUCTURAL ENGINEER'S SEAL IS PROVIDED WITH THESE CONSTRUCTION PLANS. THE FLOOR PLAN DIMENSIONS ARE MINIMUM. THE CONTRACTOR SELECTED WILL BE REQUIRED TO PRODUCE AND SUBMIT THE ACTUAL PLANS FOR THE BUILDING ITSELF, INCLUDING A SEAL FROM AN ARCHITECT OR STRUCTURAL ENGINEER LICENSED IN THE STATE OF ILLINOIS.
- THE CONTRACTOR IS RESPONSIBLE FOR THE COMPLETE DESIGN, FABRICATION AND INSTALLATION OF THE HANGAR AND CLEAR SPAN HANGAR BUILDINGS. THIS WILL INCLUDE, BUT IS NOT LIMITED TO, THE COMPLETE FOUNDATIONS, FLOOR SLABS, PRIMARY AND SECONDARY METAL FRAMING INCLUDING PURLINS, STRUTS AND GIRTS, WALL AND ROOF SYSTEMS, DOORS, ALL CONNECTIONS AND ALL DETAILS INCLUDING THE REQUIRED UTILITIES.
- 3. THE SUPPLIED BUILDING DRAWINGS ARE SHOWN FOR SCHEMATIC PURPOSES ONLY AND ARE INTENDED TO SHOW THE REQUIRED FEATURES OF THE HANGAR. THESE ARE NOT INTENDED FOR COMPUTATION OF QUANTITIES AND COSTS. THE CONTRACTOR SHALL ENSURE THAT HIS BID IS BASED ON FINAL DESIGN CALCULATIONS AND SHOP DRAWINGS OF THE FOUNDATIONS AND BUILDING HE INTENDS TO USE IN ACCORDANCE TO NOTE #1 ABOVE.
- BUILDING HEIGHT SHALL BE BASED ON THE DESIGNATED MINIMUM REQUIRED FOR THE CLEAR DOOR OPENING AND REQUIRED ROOF PITCH.
- COMPLETE DESIGN CALCULATIONS AND SHOP DRAWINGS FOR THE BUILDINGS, FOUNDATIONS AND ALL DETAILS SHALL BE SUBMITTED TO THE ENGINEER, OWNER, AND BUILDING DEPARTMENT FOR REVIEW. APPROVAL AND PERMITS.
- ALL CALCULATIONS AND SHOP DRAWINGS MUST BE SIGNED AND SEALED BY A LICENSED ILLINOIS STRUCTURAL ENGINEER AND/OR ARCHITECT. DESIGN SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CODES
- ALL CALCULATIONS AND SHOP DRAWINGS SHALL BE APPROVED BY THE ENGINEER BEFORE FABRICATION OF THE METAL BUILDING CAN BEGIN.
- SUBGRADE INFORMATION HAS BEEN PROVIDED BASED ON PREVIOUSLY ACQUIRED GEOTECHNICAL DATA FROM THE SITE. THE CONTRACTOR MAY ELECT TO PERFORM ADDITIONAL SOIL INVESTIGATION AT HIS OWN EXPENSE TO AID IN THE CONTRACTOR SUPPLIED FOUNDATION DESIGN.
- 9. THE CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION AND COMPATIBILITY OF THE METAL BUILDING, FOUNDATIONS, AND PAVEMENTS. DUE TO EXACT BUILDING DIMENSIONS AND REQUIREMENTS, MINOR MODIFICATIONS TO THE SUPPLIED DESIGN DRAWINGS ARE EXPECTED. ALL MODIFICATIONS MUST BE APPROVED BY THE CONTRACTOR'S ILLINOIS LICENSED ARCHITECT OR STRUCTURAL ENGINEER OF RECORD AND DOCUMENTED IN THE AS-BUILTS. ANY SIGNIFICANT MODIFICATIONS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO PROCEEDING WITH SAID MODIFICATION.
- EXTERIOR WALL PANELS SHALL BE LOCATED ON THE OUTSIDE OF THE METAL FRAME. INTERIOR PANELS SHALL BE LOCATED ON ONE SIDE OF STRUCTURAL SYSTEM.
- 11. THE OWNER AND/OR ENGINEER RESERVES THE RIGHT TO PERFORM QUALITY ASSURANCE TESTING ON ALL MATERIAL DELIVERED TO THE PROJECT AND TO REJECT ALL MATERIALS NOT MEETING ACCEPTABLE STANDARDS. THE CONTRACTOR WILL COOPERATE WITH THIS TESTING AS REQUIRED AT ALL TIMES.
- 12. CONTRACTOR SHALL FURNISH AND INSTALL ALL PARTS, SUPPLIES AND HARDWARE INCIDENTAL TO AND NECESSARY FOR THE PROPER OPERATION OF THE EQUIPMENT SPECIFIED.
- 13. ALL HANGAR DOORS SHALL HAVE A MAINTENANCE FREE MEANS OF LOCKING THE DOOR TO THE FLOOR AND SHALL BE DESIGNED SO AS NOT TO MOVE DUE TO 115 MPH FORCE WIND STORMS.
- 14. HANGAR DOOR SIZES GIVEN ARE FOR THE CLEAR OPENING WHEN THE DOOR IS IN THE OPEN POSITION. EXACT DOOR DIMENSIONS TO BE DETERMINED BASED ON THE CLEAR DOOR OPENING.
- 15. ALL STRUCTURAL FRAMING FOR ALL DOORS SHALL BE PROVIDED BY THE METAL BUILDING MANUFACTURER OR APPROVED BY THE METAL BUILDING MANUFACTURER.
- 16. ALL MAN DOORS TO HAVE KEY-IN-LEVER CYLINDRICAL TYPE LOCKSET. COORDINATE KEYS WITH OWNER'S REPRESENTATIVE. DOOR COLOR TO BE DETERMINED PER MANUFACTURERS STANDARD AND SELECTED BY THE OWNER'S REPRESENTATIVE. ALL HARDWARE SHALL BE 304 STAINLESS STEEL. INCLUDE ALL DOOR ACCESSORIES, FRAMES, SWEEPS, THRESHOLDS, WEATHER STRIPPING, AND ASSOCIATED HARDWARE. INCLUDE DOOR CLOSER.
- 17. ALL MAN DOORS TO HAVE SURFACE APPLIED STANDARD DUTY HYDRAULIC TYPE OR SPRING-LOADED DOOR CLOSER.
- 18. MINIMUM CONCRETE FLOOR THICKNESS IS 5". A THICKER CONCRETE FLOOR MAY BE REQUIRED BY THE STRUCTURAL ENGINEER OR ARCHITECT OF RECORD, AND SHALL BE INCLUDED IN BID.
- 19. ALL AIRCRAFT DOORS SHALL BE BI-FOLD DOORS WITH MOTOR OPERATORS, SUITABLE FOR OPERATION ON 120/240VAC, SINGLE PHASE, 3 WIRE POWER SYSTEM. MAN DOORS SHALL BE ON THE LEFT SIDE OF THE HANGAR WHEN VIEWED FROM THE OUTSIDE.

- ALL CONTROLS FOR HANGAR DOOR, LIGHT SWITCHES, AND FIRE EXTINGUISHERS SHALL BE LOCATED INSIDE ADJACENT TO THE MAN DOOR.
- 21. HANGAR CLASSIFICATION: NFPA 409 GROUP III, TYPE II (000) CONSTRUCTION WITH MAXIMUM SINGLE FIRE AREA OF 12.000 S.F.
- 22. BUILDING COLOR SCHEDULE EXACT COLORS TO BE SELECTED BY OWNER DURING SHOP DRAWING REVIEW FROM MANUFACTURER'S AVAILABLE COLORS:
- a. SELECT FINISH COLOR FROM MANUFACTURER'S COLOR SELECTION. CONFIRM COLORS WITH OWNER'S REPRESENTATIVE.

 EXTERIOR WALL PANELS WHITE (TO MATCH EXISTING HANGARS)

 BI-FOLD DOOR PANELS WHITE (TO MATCH EXISTING HANGARS)

 BUILDING TRIM WHITE

 ROOF PANELS GALVALUME WITH WHITE FINISH

 INTERIOR PARTITION PANELS WHITE

 MAN DOORS WHITE
- 23. PROVIDE HANGAR IDENTIFICATION/NUMBER LABELING ON THE MAN DOOR TO EACH HANGAR. CONTRACTOR MUST VERIFY THE INFORMATION WITH THE RESIDENT ENGINEER AND AIRPORT DIRECTOR/MANAGER PRIOR TO FABRICATING AND INSTALLING ANY LABELS.
- 24. THE HANGAR BUILDING (INCLUDING HANGAR DOORS) SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH INTERNATIONAL BUILDING CODE AND ASCE -7 RISK CATEGORY II TO MEET THE APPLICABLE WIND DESIGN LOAD REQUIREMENTS FOR THE RESPECTIVE LOCATION; ULTIMATE DESIGN WIND SPEED, VULT = 115 MPH.
- 25. FURNISH AND INSTALL MINIMUM CLASSIFICATION RATING 4-A:80-B:C FIRE EXTINGUISHERS, RATED FOR EXTRA (HIGH) HAZARD IN EACH HANGAR BAY AND EACH STORAGE UNIT/END UNIT TO MEET THE REQUIREMENTS OF 2022 EDITION OF NFPA 409, 10.8 "FIRE PROTECTION FOR GROUP III HANGARS" AND 2022 EDITION OF NFPA 10, CHAPTER 6 "INSTALLATION". INCLUDE SIGNAGE OR PLACARD ABOVE EACH FIRE EXTINGUISHER LABELED "FOR BUILDING FIRES" TO COMPLY WITH 2022 NFPA 10, PARAGRAPH 6.1.1.4. INCLUDE ONE FIRE EXTINGUISHER IN EACH HANGAR BAY AND EACH STORAGE UNIT/END UNIT. FIRE EXTINGUISHERS SHALL BE MADE IN THE UNITED STATES OF AMERICA TO COMPLY WITH THE AIRPORT IMPROVEMENT PROGRAM BUY AMERICAN PREFERENCES REQUIREMENTS. FIRE EXTINGUISHERS SHALL BE CLASSIFICATION RATING 4-A:80-B:C, 10-POUND, ABC DRY CHEMICAL TYPE, AMEREX CORPORATION MODEL B456, BUCKEYE MODEL 10-TALL-ABC (PART NUMBER 11340), OR APPROVED EQUAL. INCLUDE MOUNTING BRACKETS AND HARDWARE.
- 26. FURNISH AND INSTALL ADDITIONAL HALOTRON FIRE EXTINGUISHERS WITH MINIMUM CLASSIFICATION RATING 2-A:10-B:C IN EACH HANGAR BAY AND EACH STORAGE UNIT/END UNIT TO ACCOMMODATE AIRCRAFT FIRES AND/OR ELECTRICAL FIRES IN ACCORDANCE WITH 2022 EDITION OF NFPA 10, PARAGRAPH 6.1.1.2. INCLUDE SIGNAGE OR PLACARD ABOVE EACH FIRE EXTINGUISHER LABELED "FOR AIRCRAFT OR ELECTRICAL FIRES" TO COMPLY WITH 2022 NFPA 10, PARAGRAPH 6.1.1.4. INCLUDE ONE FIRE EXTINGUISHER IN EACH HANGAR BAY AND EACH STORAGE UNIT/END UNIT. FIRE EXTINGUISHERS SHALL BE MADE IN THE UNITED STATES OF AMERICA TO COMPLY WITH THE AIRPORT IMPROVEMENT PROGRAM BUY AMERICAN PREFERENCES REQUIREMENTS. FIRE EXTINGUISHERS SHALL BE CLASSIFICATION RATING 2-A:10-B:C, 12.5-POUND (MINIMUM), HALOTRON TYPE, AMEREX CORPORATION MODEL 351, AMEREX MODEL 398, BUCKEYE MODEL 15 (PART NUMBER 71550 OR 71551), OR APPROVED EQUAL. INCLUDE MOUNTING BRACKETS AND HARDWARE.
- 27. FURNISH AND INSTALL ONE ADDITIONAL 10-POUND UL RATED 10B:C CARBON DIOXIDE FIRE EXTINGUISHER FOR THE MAIN ELECTRICAL SERVICE AND DISTRIBUTION PANELBOARD AREA TO ACCOMMODATE ELECTRICAL FIRES IN ACCORDANCE WITH 2022 EDITION OF NFPA 10, PARAGRAPH 6.1.1.2. INCLUDE SIGNAGE OR PLACARD ABOVE EACH FIRE EXTINGUISHER LABELED "FOR ELECTRICAL FIRES" TO COMPLY WITH 2022 NFPA 10, PARAGRAPH 6.1.1.4. FIRE EXTINGUISHERS SHALL BE MADE IN THE UNITED STATES OF AMERICA TO COMPLY WITH THE AIRPORT IMPROVEMENT PROGRAM BUY AMERICAN PREFERENCES REQUIREMENTS. FIRE EXTINGUISHERS SHALL BE CLASSIFICATION RATING 10-BC, 10-POUND (MINIMUM), CARBON DIOXIDE TYPE, AMEREX CORPORATION MODEL 330, BUCKEYE MODEL 10CD (PART NUMBER 45600), OR APPROVED EQUAL. INCLUDE MOUNTING BRACKETS AND HARDWARE.
- 28. A FLOOR GROUNDING RECEPTACLE SHALL BE INSTALLED IN EACH HANGAR BAY AREA FOR REMOVAL AND CONTROL OF STATIC ELECTRICAL ACCUMULATIONS ON AIRCRAFT WHILE AIRCRAFT ARE STORED OR UNDERGOING SERVICING IN A HANGAR PER THE REQUIREMENTS OF NFPA 409 - STANDARD ON AIRCRAFT HANGARS. COORDINATE INSTALLATIONS WITH CONCRETE WORK.
- 29. COORDINATE INSTALLATION OF SCHED 80 PVC CONDUIT SLEEVES WITH CONCRETE WORK TO ACCOMMODATE GROUNDING CONNECTIONS TO BUILDING STEEL AT EACH CORNER. CONNECTING THE BUILDING STRUCTURAL STEEL TO THE GROUNDING ELECTRODE SYSTEM IS REQUIRED PER 2023 NEC ARTICLE 250.104 "BONDING OF PIPING SYSTEMS AND EXPOSED STRUCTURAL METAL".
- 30. THE ROOF, BI-FOLD DOORS, AND SIDES OF THE BUILDING SHALL BE INSULATED. ROOF SHALL BE INSULATED WITH 6.5" MINIMUM THICKNESS (R-VALUE OF R-19) FACED FIBERGLASS INSULATION BLANKET SUITABLE FOR METAL BUILDING APPLICATIONS. BI-FOLD DOORS SHALL HAVE INSULATION R-VALUE NOT LESS THAN R-13. WALLS SHALL HAVE INSULATION R-VALUE NOT LESS THAN R-13. INSULATION SHALL BE SUITABLE FOR THE APPLICATION.

DOOK LEGEND I	PLATE SCHEDULE
HANGAR BAY	LABEL
NORTH END UNIT MAN DOOR	ROCHELLE MUNICIPAL AIRPORT NORTH END UNIT
T-HANGAR BAY #F1 MAN DOOR	ROCHELLE MUNICIPAL AIRPORT T-HANGAR #1
T-HANGAR BAY #F2 MAN DOOR	ROCHELLE MUNICIPAL AIRPORT T-HANGAR #2
T-HANGAR BAY #F3 MAN DOOR	ROCHELLE MUNICIPAL AIRPORT T-HANGAR #3
T-HANGAR BAY #F4 MAN DOOR	ROCHELLE MUNICIPAL AIRPORT T-HANGAR #4
T-HANGAR BAY #F5 MAN DOOR	ROCHELLE MUNICIPAL AIRPORT T-HANGAR #5
T-HANGAR BAY #F6 MAN DOOR	ROCHELLE MUNICIPAL AIRPORT T-HANGAR #6
T-HANGAR BAY #F7 MAN DOOR	ROCHELLE MUNICIPAL AIRPORT T-HANGAR #7
T-HANGAR BAY #F8 MAN DOOR	ROCHELLE MUNICIPAL AIRPORT T-HANGAR #8
SOUTH END UNIT MAN DOOR	ROCHELLE MUNICIPAL AIRPORT SOUTH END UNIT

NOTE: LEGEND PLATES FOR THE DOORS SHALL BE WEATHERPROOF BLACK LETTERS ON A WHITE BACKGROUND. LETTERING SHALL BE 2" (MIN.) HIGH.



Offices Nationwide

Hanson Professional Services Inc. 1525 S. 6th Street Springfield, IL 62568 phone: 217-788-2450 fax: 217-788-2503

Illinois Licensed Professional Service Corporation #184-001084



ROCHELLE MUNICIPAL AIRPORT MAJOR THOMAS F. KORITZ FIELD 1201 West Gurler Road Rochelle, Illinois 61068 Telephone: 815.562.8619

DATE LICENSE SIGNED: EXPIRES

CONSTRUCT 8-UNIT T-HANGAR AND PAVEMENT SITEWORK

IDA No: RPJ-5150 SBG No: 3-17-SBGP-TBD

NO.	DATE	DES	CRIPT	ION
NO.	DATE	DES	DWN	RE
ISSUE:	MARCH	21, 20)25	
DPO IEC	T NO: 2	3 4 1 0 4	1 00	

PROJECT IN: 23A1041:00

CAD FILE: A-001-NOTES.DWG

DESIGN BY: KCB 12/11/2024

DRAWN BY: KCB 12/11/2024

REVIEWED BY: KNL 1/2/2025

SHEET TITLE

HANGAR NOTES

ELECTI	RICAL LEGEND - ONE-LINE DIAGRAM
⊸ —	CABLE TERMINATOR/LUG
***	TRANSFORMER
__	DISCONNECT SWITCH
__	FUSIBLE DISCONNECT SWITCH
/6 ₂	HP RATED MANUAL SWITCH
	CIRCUIT BREAKER
~~	THERMAL MAGNETIC CIRCUIT BREAKER
	MAGNETIC MOTOR STARTER WITH THERMAL MAGNETIC
ام	CIRCUIT BREAKER AND CONTROL TRANSFORMER "1"-NUMBER INDICATES NEMA SIZE
	"F"-INDICATES FULL VOLTAGE
	"RV"-INDICATES REDUCED VOLTAGE AUTOTRANSFORME! "VSD"-INDICATES VARIABLE SPEED DRIVE
E5	"2S"-INDICATES TWO SPEED
	FUSE
1	TRANSIENT VOLTAGE SURGE
	SUPPRESSOR OR SURGE
	PROTECTOR DEVICE
⇟	GROUND - GROUND ROD, GROUNDING ELECTRODE, OR AT EARTH POTENTIAL
a	INDICATING LIGHT
M	MOTOR
(#)	LOAD, MOTOR, # = HORSEPOWER
	EOAD, MOTOR, # - HORSEF OWER
	ELECTRIC UTILITY
	METER BASE
0	JUNCTION BOX WITH
	SPLICE
xxx	EQUIPMENT,
	XXX = DEVICE DESCRIPTION
GND	GROUND BUS OR TERMINAL
S/N	NEUTRAL BUS
#	PANELBOARD WITH MAIN LUGS
{	
\frac{7}{7}	PANELBOARD WITH MAIN BREAKER
[#]	
T.	
	FUCE DANIEL WITH MAIN FUCE DUIL OUT
¥	FUSE PANEL WITH MAIN FUSE PULLOUT
₩	DUPLEX RECEPTACLE 120V SINGLE PHASE GROUNDING TYPE
	CONTROL STATION
N _A SM	
% "	TRANSFER SWITCH
	ENGINE OF VED ATOR SET
	ENGINE GENERATOR SET

HORMALLY OPEN (N.O.) CONTACT				
STARTER COIL, *= STARTER NUMBER STARTER COIL, *= STARTER NUMBER CONTROL RELAY, *= CONTACTOR NUMBER COTTON RELAY, *= RELAY NUMBER COTTON RELAY RELAY CONTROL PARIA COTTON RELAY CONTROL PARIA COTTON RELAY COMBINATION CONTROL ELOT RELAY COMBINATION CONTRO	EL	ECTRICAL LEGEND - SCHEMATIC		ELECTRICAL LEGEND - PLANS
STARTER COIL, * = STARTER NUMBER CHAPTER COIL, * = CONTROL RELAY, NUMBER CONTROL RELAY, * = CONTROL RELAY NUMBER CONTROL RELAY, * = CONTROL RELAY NUMBER CONTROL RELAY, * = CONTACTOR NUMBER CONTROL RELAY, * = PELAY, * = CONTACTOR NUMBER CONTROL RELAY, * = PELAY, * = CONTACTOR NUMBER CONTROL RELAY, * = PELAY, * = CONTACTOR NUMBER CONTROL RELAY, * = PELAY, * = CONTACTOR NUMBER CONTROL RELAY, * = PELAY, * = CONTACTOR NUMBER CONTROL RELAY, * = PELAY, * = CONTACTOR NUMBER CONTROL RELAY, * = PELAY, * = CONTACTOR NUMBER CONTROL RELAY, * = PELAY, * = CONTACTOR NUMBER CONTROL RELAY, * = PELAY, * = CONTACTOR NUMBER CONTROL RELAY, * = PELAY, * = CONTACTOR NUMBER CONTROL RELAY, * = PELAY, * = CONTACTOR NUMBER CONTROL RELAY, * = PELAY, * = CONTACTOR NUMBER CONTROL RELAY, * = PELAY, * = CONTACTOR NUMBER CONTROL RELAY, * = PELAY, * = CONTACTOR NUMBER CONTROL RELAY, * = PELAY, * = CONTACTOR NUMBER CONTROL RELAY, * = PELAY, * = CONTACTOR NUMBER CONTROL RELAY, * = PELAY, * = CONTACTOR NUMBER CONTROL RELAY, * = PELAY, * = CONTACTOR NUMBER CONTROL RELAY, * = PELAY, * = CONTACTOR NUMBER CONTROL RELAY, * = PELAY, * = CONTACTOR NUMBER CONTROL RELAY, * = PELAY, * = CONTACTOR NUMBER CONTROL RELAY, * = PELAY, * = CONTACTOR NUMBER CONTROL RELAY, * = PELAY, * = CONTACTOR NUMBER CONTROL RELAY, * = PELAY, * = CONTACTOR NUMBER CONTROL RELAY, * = PELAY, * = PELA	⊣⊢	NORMALLY OPEN (N.O.) CONTACT		CONDUIT (EXPOSED)
## OVERLOAD RELAY, "= CONTROL RELAY NUMBER CONTROL RELAY, "= CONTROL RELAY NUMBER CONTROL RELAY, "= CONTACTOR NUMBER RELAY, "= RELAY NUMBER TOGGLE SWITCH / 2 POSITION SWITCH POSITION SELECTOR SWITCH	-1/-	NORMALLY CLOSED (N.C.) CONTACT		CONDUIT OR DUCT (CONCEALED OF
WORKERS ON THE PROPERTY OF	(\$9)	STARTER COIL, * = STARTER NUMBER		DUCT
USENTING CONTACTOR, "= CONTACTOR NUMBER RELAY, "= RELAY NUMBER TOGGLE SWITCH / 2 POSITION SWITCH POSITION SELECTOR SWITCH (H-O-A SHOWN) POSITION SELECTOR SWITCH (H-O-A SHOWN) POSITION SELECTOR SWITCH SINGLE SPECIAL PURPOSE RECEPTION OF MARKED SELECT SWITCH SINGLE SPECIAL PURPOSE RECEPTION OF MARKED SELECT SWITCH POSITION SELECTOR SWITCH POSITIO		OVERLOAD RELAY CONTACT	—Е—	BURIED/UNDERGROUND ELECTRIC
RELAY, * = RELAY NUMBER	©R*	CONTROL RELAY, * = CONTROL RELAY NUMBER	—UGE—	UNDERGROUND ELECTRIC
TOGGLE SWITCH / 2 POSITION SWITCH OF	(c)	LIGHTING CONTACTOR, * = CONTACTOR NUMBER	—оне—	OVERHEAD ELECTRIC
PHASE, GROUNDING TYPE DIPLEX CONTENTION STREET DIPLEX CONTENTION SELECTOR SWITCH DIPLEX CONTENTION SELECTOR SWITCH DIPLEX CONTENTION SELECTOR SWITCH (H-O-A SHOWN) DIPLEX SHOWN SEL	R*	RELAY, * = RELAY NUMBER	⊷¤	POLE MOUNTED HID OR LED FIXTUR
### PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL PHOTOCELL	/,	TOGGLE SWITCH / 2 POSITION SWITCH	0	SIMPLEX RECEPTACLE, 120V, SINGLE
3-POSITION SELECTOR SWITCH (H-O-A SHOWN) ○	OFF OX	2-POSITION SELECTOR SWITCH	⊕	DUPLEX CONVENIENCE RECEPTACI 120V, SINGLE PHASE, NEMA 5-20R, GROUNDING TYPE, 48" A.F.F. EXCEF NOTED. (120 VAC, 20 AMP RECEPTA IN HANGAR BAYS SHALL BE GROUN FAULT CIRCUIT INTERRUPTER TYPE
2 POLE DISCONNECT SWITCH 2 POLE DISCONNECT SWITCH 3 POLE DISCONNECT SWITCH 3 PHOTOCELL -□- TERMINAL BLOCK, * = TERMINAL NUMBER DEVICE TERMINAL, * = DEVICE TERMINAL NUMBER INTERNAL PANEL WIRING FIELD WIRING GROUND BUS OR TERMINAL STAN NEUTRAL BUS GROUND, GROUND BUS OR TERMINAL TRANSFORMER TRANSFORMER N.O. THERMAL SWITCH FRACTIONAL HORSEPOWER N.O. THERMAL SWITCH FRACTIONAL HORSEPOWER NEUTRAL SWITCH FRACTIONAL HORSEPOWER NEUTRAL SWITCH FRACTIONAL HORSEPOWER	<u> </u>	3-POSITION SELECTOR SWITCH (H-O-A SHOWN)	0	SINGLE SPECIAL PURPOSE RECEPT AMPERAGE AND TYPE AS NOTED O
2 POLE DISCONNECT SWITCH 3 POLE DISCONNECT SWITCH 3 POLE DISCONNECT SWITCH □ PHOTOCELL □ TERMINAL BLOCK, * = TERMINAL NUMBER □ LEVICE TERMINAL, * = DEVICE TERMINAL NUMBER □ INTERNAL PANEL WIRING □ FUSE □ ROUND BUS OR TERMINAL □ GROUND BUS OR TERMINAL □ GROUND, GROUND BUS □ TRANSFORMER □ ROUND, GROUND BUS □ TRANSFORMER □ ROUND, GROUND BUS □ TRANSFORMER □ CIRCUIT BREAKER □ OH DOOR OR BI-FOLD DOOR CC □ MOTOR WITH CONTROLLER. EX BI-FOLD DOOR MOTOR □ TRANSFORMER □ CIRCUIT BREAKER □ CONTROL PANEL □ REMOTE CONTROL STATION □ OH DOOR OR BI-FOLD DOOR CC □ MOTOR WITH CONTROLLER. EX BI-FOLD DOOR MOTOR □ TRANSFORMER □ ENCLOSURE □ CIRCUIT BREAKER PANEL-SEE SO □ GROUND ROD □ TRANSFORMER □ CIRCUIT BREAKER PANEL-SEE SO □ GROUND ROD □ TRANSFORMER □ CIRCUIT BREAKER PANEL-SEE SO □ TRANSFORMER □ CIRCUIT BREAKER □ CIRCUIT BREAKER PANEL-SEE SO □ TRANSFORMER □ CIRCUIT BREAKER □ CIRCUIT BREAKER PANEL-SEE SO □ TRANSFORMER □ CIRCUIT B	00x		٠٥ ٥٠	WALL OR CEILING MT'D. JUNCTION I CONFIGURATION VARIES WITH USE
PHOTOCELL → TERMINAL BLOCK, * = TERMINAL NUMBER → DEVICE TERMINAL, * = DEVICE TERMINAL NUMBER → INTERNAL PANEL WIRING → FIELD WIRING → FIELD WIRING → GROUND BUS OR TERMINAL → GROUND, GROUND ROD, GROUND BUS → TRANSFORMER → N.O. THERMAL SWITCH → N.C. THERMAL SWITCH → N.C. THERMAL SWITCH → TRANSFORMER → N.O. THERMAL SWITCH → N.C. THERMINAL NUMBER → N.C. THERMAL SWITCH → N.C. THERMAL SWITCH → N.C	-	2 POLE DISCONNECT SWITCH	40	SINGLE THROW DISCONNECT SWIT
PHOTOCELL → TERMINAL BLOCK, * = TERMINAL NUMBER → DEVICE TERMINAL, * = DEVICE TERMINAL NUMBER → INTERNAL PANEL WIRING → FIELD WIRING → FIELD WIRING → GROUND BUS OR TERMINAL ⑤ MOTOR WITH CONTROLLER. EN BI-FOLD DOOR MOTOR → TRANSFORMER → ROUND, GROUND ROD, GROUND BUS → TRANSFORMER → N.O. THERMAL SWITCH → N.C. THERMAL SWITCH → FRACTIONAL HORSEPOWER MOTOR MANUAL STARTER → TRANSFORMER → TRANSFORMER → TRANSFORMER → N.O. THERMAL SWITCH → TO N.O			42	SINGLE THROW, FUSIBLE DISCONNI
PHOTOCELL □□ TERMINAL BLOCK, * = TERMINAL NUMBER □ DEVICE TERMINAL, * = DEVICE TERMINAL NUMBER □ INTERNAL PANEL WIRING □ FIELD WIRING □ FIELD WIRING □ GROUND BUS OR TERMINAL S\(\text{N}\) □ MOTOR MOTOR □ TRANSFORMER □ GROUND, GROUND BUS □ TRANSFORMER □ CIRCUIT BREAKE □ MOTOR WITH CONTROLLER. EX BI-FOLD DOOR MOTOR □ TRANSFORMER □ MOTOR ESTIMATED H.P. AS IN □ MOTOR □ TRANSFORMER □ LECTRIC UTILITY METER □ ENCLOSURE □ CIRCUIT BREAKER PANEL-SEE SIN NEUTRAL SHORT SLASHES IN NEUTRAL SHORT SLASHES IN NEUTRAL SHORT SLASHES IN NEUTRAL SHORT SLASHES IN HOT OR SWITCHED LEG. SLASHES IN NEUTRAL SHORT SLASHES IN HOT OR SWITCHED LEG. SLASHES IN NEUTRAL SHORT SLASHES IN SHORT SHO	- -	3 POLE DISCONNECT SWITCH	4 ©B	ENCLOSED CIRCUIT BREAKER
DEVICE TERMINAL, * = DEVICE TERMINAL NUMBER INTERNAL PANEL WIRING	_ <u></u>	PHOTOCELL	4 ₀₁	DOUBLE THROW SAFETY SWITCH, MANUAL TRANSFER SWITCH
INTERNAL PANEL WIRING		TERMINAL BLOCK, * = TERMINAL NUMBER	CP	CONTROL PANEL
—— FIELD WIRING □□ FUSE □ND GROUND BUS OR TERMINAL □ MOTOR WITH CONTROLLER. EX BI-FOLD DOOR MOTOR □ MOTOR. ESTIMATED H.P. AS IN □ MOTOR □ TRANSFORMER □ ELECTRIC UTILITY METER □ ENCLOSURE □ CIRCUIT BREAKER PANEL-SEE S. □ GROUND ROD #12 AWG TWHO COPPER UNLES OTHERWISE. LONG SLASHES IN NEUTRAL. SHORT SLASHES IN DICATES PARALE 1,3,5 INDICATES PARALE 1,3,5 INDICATES CIRCUIT NUMBERS □ CONTACTOR □ PENDANT MOUNTED OR CHAIN FLUORESCENT OR LED FIXTURE WITH NUMBER INDICATES FIXTURE WITH NUMBER INDI		DEVICE TERMINAL, * = DEVICE TERMINAL NUMBER	•	REMOTE CONTROL STATION
FUSE GND GROUND BUS OR TERMINAL S/N NEUTRAL BUS GROUND, GROUND BUS TRANSFORMER TRANSFORMER TRANSFORMER □ ELECTRIC UTILITY METER □ ENCLOSURE □ CIRCUIT BREAKER PANEL-SEE SO GROUND ROD TO N.C. THERMAL SWITCH FRACTIONAL HORSEPOWER MOTOR MANUAL STARTER □ PENDANT MOUNTED OR CHAIN FLUORESCENT OR LED FIXTURE WITH HUMBERS □ CONTACTOR PENDANT MOUNTED OR CHAIN FLUORESCENT OR LED FIXTURE WITH HUMBERS □ WALL OR CEILING MTD, LED FIX EXIT LIGHT/SIGN PHOTO-ELECTRIC CELL. \$ SINGLE POLE SWITCH		INTERNAL PANEL WIRING	646	OH DOOR OR BI-FOLD DOOR CONTR
BI-FOLD DOOR MOTOR		FIELD WIRING	4⊠	COMBINATION CIRCUIT BREAKER M
S√N NEUTRAL BUS GROUND, GROUND ROD, GROUND BUS TRANSFORMER TRANSFORMER N.O. THERMAL SWITCH N.C. THERMAL SWITCH FRACTIONAL HORSEPOWER MOTOR MANUAL STARTER FRACTIONAL HORSEPOWER MOTOR MANUAL STARTER FRACTIONAL HORSEPOWER MOTOR MANUAL STARTER CONTACTOR PENDANT MOUNTED OR CHAIN FLUORESCENT OR LED FIXTURE WITH NUMBER INDICATES FIXTURE CIRCUIT NUMBER WALL OR CEILING MTD. LED FIX EXIT LIGHT/SIGN PHOTO-ELECTRIC CELL. SINGLE POLE SWITCH SINGLE POLE SWITCH SINGLE POLE SWITCH SINGLE POLE SWITCH WALL OR CEILING MTD. LED FIX SINGLE POLE SWITCH SINGLE POLE SWITCH SINGLE POLE SWITCH		-	₩	MOTOR WITH CONTROLLER. EXAMI BI-FOLD DOOR MOTOR
## GROUND, GROUND ROD, GROUND BUS TRANSFORMER TRANSFORMER N.O. THERMAL SWITCH FRACTIONAL HORSEPOWER MOTOR MANUAL STARTER FRACTIONAL HORSEPOWER MOTOR MANUAL STARTER FRACTIONAL HORSEPOWER MOTOR MANUAL STARTER □ TRANSFORMER □ ENCLOSURE □ GROUND ROD #12 AWG TWHN COPPER UNLESS OTHERWISE. LONG SLASHES IN NEUTRAL. SHORT SLASHES IN NEUTRAL. SHORT SLASHES IN NEUTRAL. SHORT SLASHES IN NEUTRAL. SHORT SLASHES IN INDICATE SEPARATE GROUND ROD #13 AWG TWHN COPPER UNLESS OTHERWISE. LONG SLASHES IN NEUTRAL. SHORT SLASHES IN NEUTRAL. SHORT SLASHES IN NEUTRAL. SHORT SLASHES IN NEUTRAL. SHORT SLASHES IN INDICATES SPARATE GROUND ROD #14 AWG TWHN COPPER UNLESS OTHERWISE. LONG SLASHES IN NEUTRAL. SHORT SLASHES IN NEUTRAL SHORT SLASH	$\vdash = \vdash$		9	MOTOR. ESTIMATED H.P. AS INDICA
TRANSFORMER TRANSFORMER ELECTRIC UTILITY METER ENCLOSURE CIRCUIT BREAKER PANEL-SEE S GROUND ROD #12 AWG TWHN COPPER UNLES OTHERWISE. LONG SLASHES INI HOT OR SWITCHED LEG. SLASH DOT INDICATE SEPARATE GROUND ROD HOMERUN TO PANEL 1,3,5 INDICATES CIRCUIT NUMBERS CONTACTOR PENDANT MOUNTED OR CHAIN FLUORESCENT OR LED FIXTURE WITH NUMBER INDICATES FIXTURE WITH NUMBER WALL OR CEILING MT'D. LED FIX EXIT LIGHT/SIGN PHOTO-ELECTRIC CELL. \$ SINGLE POLE SWITCH			M	MOTOR
CIRCUIT BREAKER PANEL-SEES GROUND ROD GROUND ROD #12 AWG TWHN COPPER UNLES OTHERWISE. LONG SLASHES IN NEUTRAL. SHORT SLASHES IN NEUTRAL. SHORT SLASHES IN HOT OR SWITCHED LEG. SLASHE HOT OR SWITCHED LEG. SLASHES IN INDICATE SEPARATE GROUND INDICATE SEPARATE GROUND ROD #13 AWG TWHN COPPER UNLES OTHERWISE. LONG SLASHES IN NEUTRAL. SHORT SLASHES IN NEUTRAL. SHORT SLASHES IN NEUTRAL SHORT SLASHES IN NEUTRAL SHORT SLASHES IN NEUTRAL SHORT SLASHES IN NEUTRAL SHORT SLASHES IN HOT OR SWITCHED LEG. SLASHE HOT OR SWITCHED LEG. SLASHE HOT OR SWITCHED LEG. SLASHE SIN INDICATES SPARATE GROUND ROD INDICATE SEPARATE GROUND ROD INDICATE SEPARAT	*	GROUND, GROUND ROD, GROUND BUS	Т	TRANSFORMER
CIRCUIT BREAKER PANEL-SEE S GROUND ROD		TRANSFORMER	凸	ELECTRIC UTILITY METER
GROUND ROD #12 AWG TWHN COPPER UNLES OTHERWISE. LONG SLASHES IN NEUTRAL. SHORT SLASHES INI HOT OR SWITCHED LEG. SLASH HOTOR MANUAL STARTER GOTHERWISE. LONG SLASHES INI NEUTRAL. SHORT SLASHES INI HOT OR SWITCHED LEG. SLASH OT INDICATE SEPARATE GROUNDICATE SEPARATE GROUNDICATES PANEL 1,3,5 INDICATES PANEL 1,3,5 INDICATES CIRCUIT NUMBERS GOTHERWISE. LONG SLASHES INI HOT OR SWITCHED LEG. SLASH INDICATE SEPARATE GROUNDICATE SEP				ENCLOSURE
RACTIONAL HORSEPOWER MOTOR MANUAL STARTER A		N.O. THERMAL SWITCH		CIRCUIT BREAKER PANEL-SEE SCH
FRACTIONAL HORSEPOWER MOTOR MANUAL STARTER FRACTIONAL HORSEPOWER MOTOR MANUAL STARTER FRACTIONAL HORSEPOWER MOTOR MANUAL STARTER FINAL CONTACTOR FINAL PENLANT MOUNTED OR CHAIN FLUORESCENT OR LED FIXTURE WITH NUMBER INDICATES FIXTU X = CIRCUIT NUMBER WALL OR CEILING MT'D. LED FIX EXIT LIGHT/SIGN PHOTO-ELECTRIC CELL. \$ SINGLE POLE SWITCH			•	GROUND ROD
CONTACTOR FIX PENDANT MOUNTED OR CHAIN FLUORESCENT OR LED FIXTURE WITH NUMBER INDICATES FIXTU X= CIRCUIT NUMBER WALL OR CEILING MT'D. LED FIX X= XIT LIGHT/SIGN PHOTO-ELECTRIC CELL. \$ SINGLE POLE SWITCH				#12 AWG TWHN COPPER UNLESS NOTHERWISE. LONG SLASHES INDICA NEUTRAL. SHORT SLASHES INDICA HOT OR SWITCHED LEG. SLASHES DOT INDICATE SEPARATE GROUND
PENDANT MOUNTED OR CHAIN FLUORESCENT OR LED FIXTURE WITH NUMBER INDICATES FIXTURE CIRCUIT NUMBER ***********************************	ဦ	MOTOR MANUAL	PNL A	INDICATES PANEL 1,3,5
FLUORESCENT OR LED FIXTURE WITH NUMBER INDICATES FIXTU X= CIRCUIT NUMBER WALL OR CEILING MT'D. LED FIX EXIT LIGHT/SIGN PHOTO-ELECTRIC CELL. \$ SINGLE POLE SWITCH			1	CONTACTOR
			F1-X	PENDANT MOUNTED OR CHAIN HUN FLUORESCENT OR LED FIXTURE. LI WITH NUMBER INDICATES FIXTURE X= CIRCUIT NUMBER
PHOTO-ELECTRIC CELL. \$ SINGLE POLE SWITCH			μαα	WALL OR CEILING MT'D. LED FIXTUR
\$ SINGLE POLE SWITCH			⊗	EXIT LIGHT/SIGN
			н®	PHOTO-ELECTRIC CELL.
\$2 TWO POLE SWITCH			\$	SINGLE POLE SWITCH
			\$2	TWO POLE SWITCH

\$3

STATIC GROUNDING RECEPTACLE

	ELECTRICAL LEGEND - PLANS			ELECTRICAL ABBREVIATIONS
	CONDUIT (EXPOSED)		A.F.F.	ABOVE FINISHED FLOOR
	CONDUIT OR DUCT (CONCEALED OR BURIED)		A, AMP	AMPERES
	DUCT		ATS	AUTOMATIC TRANSFER SWITCH
-	BURIED/UNDERGROUND ELECTRIC		AWG	AMERICAN WIRE GAUGE
-	UNDERGROUND ELECTRIC		BKR	BREAKER
-	OVERHEAD ELECTRIC		С	CONDUIT
	POLE MOUNTED HID OR LED FIXTURE		СВ	CIRCUIT BREAKER
	SIMPLEX RECEPTACLE, 120V, SINGLE PHASE, GROUNDING TYPE		CKT	CIRCUIT
	DUPLEX CONVENIENCE RECEPTACLE,		CR	CONTROL RELAY
	120V, SINGLE PHASE, NEMA 5-20R, GROUNDING TYPE, 48" A.F.F. EXCEPT AS		CU	COPPER
	NOTED. (120 VAC, 20 AMP RECEPTACLES IN HANGAR BAYS SHALL BE GROUND		DPDT	DOUBLE POLE DOUBLE THROW
	FAULT CIRCUIT INTERRUPTER TYPE)		DPST	DOUBLE POLE SINGLE THROW
	SINGLE SPECIAL PURPOSE RECEPTACLE. VOLTAGE, AMPERAGE AND TYPE AS NOTED ON THE PLANS		EM	EMERGENCY
	WALL OR CEILING MT'D. JUNCTION BOX.		EMT	ELECTRICAL METALLIC TUBING
	CONFIGURATION VARIES WITH USE		ENCL	ENCLOSURE
	SINGLE THROW DISCONNECT SWITCH		EOR	ENGINEER OF RECORD
	SINGLE THROW, FUSIBLE DISCONNECT SWITCH	l	EP	EXPLOSION PROOF
_	ENCLOSED CIRCUIT BREAKER	l	ES	EMERGENCY STOP
	DOUBLE THROW SAFETY SWITCH, MANUAL TRANSFER SWITCH		ETL	INTERTEK - ELECTRICAL TESTING LABS
	CONTROL PANEL		ETM	ELAPSE TIME METER
	REMOTE CONTROL STATION		GFCI	GROUND FAULT CIRCUIT INTERRUPTER
	OH DOOR OR BI-FOLD DOOR CONTROL STATION	l	GFI	GROUND FAULT INTERRUPTER
	COMBINATION CIRCUIT BREAKER MOTOR STARTER		GND	GROUND
	MOTOR WITH CONTROLLER. EXAMPLE:		GRSC	GALVANIZED RIGID STEEL CONDUIT
	BI-FOLD DOOR MOTOR		HOA	HAND OFF AUTOMATIC
	MOTOR. ESTIMATED H.P. AS INDICATED.		HP	HORSEPOWER
	MOTOR	ļ	J	JUNCTION BOX
_	TRANSFORMER		KNL	KEVIN NEIL LIGHTFOOT
	ELECTRIC UTILITY METER		KVA	KILOVOLT AMPERE(S)
	ENCLOSURE		KW	KILOWATTS
	CIRCUIT BREAKER PANEL-SEE SCHEDULES		LC	LIGHTING CONTACTOR
	GROUND ROD		LED	LIGHT EMITTING DIODE
	#12 AWG TWHN COPPER UNLESS NOTED OTHERWISE. LONG SLASHES INDICATE		LTFMC	LIQUID TIGHT FLEXIBLE METAL CONDUIT (UL LISTED
	NEUTRAL. SHORT SLASHES INDICATE HOT OR SWITCHED LEG. SLASHES WITH		LTG	LIGHTING
	DOT INDICATE SEPARATE GROUND WIRE.		LHTNG	LIGHTING
	HOMERUN TO PANEL PNL A INDICATES PANEL 1,3,5		LP	LIGHTING PANEL
_	INDICATES CIRCUIT NUMBERS		MAX	MAXIMUM
_	CONTACTOR PENDANT MOUNTED OR CHAIN HUNG		MCB	MAIN CIRCUIT BREAKER
	FLUORESCENT OR LED FIXTURE. LETTER		МСМ	THOUSAND CIRCULAR MIL
	WITH NUMBER INDICATES FIXTURE TYPE. X= CIRCUIT NUMBER		MDP	MAIN DISTRIBUTION PANEL
	WALL OR CEILING MT'D. LED FIXTURE.		MFR	MANUFACTURER
	EXIT LIGHT/SIGN		MIN	MINIMUM
	PHOTO-ELECTRIC CELL.		MLO	MAIN LUGS ONLY
	SINGLE POLE SWITCH		NEC	NATIONAL ELECTRICAL CODE (NFPA 70)
	TWO POLE SWITCH		NC	NORMALLY CLOSED
	THREE WAY SWITCH		NO	NORMALLY OPEN
	MOMENTARY CONTACT, SINGLE POLE,	1	NTS	NOT TO SCALE
	DOUBLE THROW, SWITCH FRACTIONAL HP STARTER OR MANUAL	-	OHE	OVERHEAD ELECTRIC
	SWITCH (HP RATED)		OL	OVERLOAD
	STATIC GROUNDING RECEPTACLE	ĺ		l

ELECTRICAL ABBREVIATIONS (CONTINUED)						
PB	PULL BOX					
PC	PHOTO CELL					
PDB	POWER DISTRIBUTION BLOCK					
PNL	PANEL					
RCPT	RECEPTACLE					
R	RELAY					
S STARTER						
SPD SURGE PROTECTION DEVICE						
SPST	SINGLE POLE SINGLE THROW					
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR					
TYP	TYPICAL					
UG	UNDERGROUND					
UGE	UNDERGROUND ELECTRIC					
UL	UNDERWRITER'S LABORATORIES					
V	VOLTS					
W/	WITH					
W/O	WITHOUT					
WP	WEATHER PROOF					
XFER	TRANSFER					
XFMR	TRANSFORMER					
-	DASH, HYPHEN, OR MINUS SIGN					
XXX	LETTERS AND/OR NUMBERS (TO BE DETERMINED)					



Offices Nationwide www.hanson-inc.com

Hanson Professional Services Inc. 1525 S. 6th Street Springfield, IL 62568 phone: 217-788-2450 fax: 217-788-2503

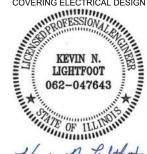
Illinois Licensed Professional Service Corporation #184-001084



ROCHELLE MUNICIPAL AIRPORT MAJOR THOMAS F. KORITZ FIELD

1201 West Gurler Road Rochelle, Illinois 61068 Telephone: 815.562.8619

COVERING ELECTRICAL DESIGN



CONSTRUCT 8-UNIT T-HANGAR AND PAVEMENT **SITEWORK**

IDA No: RPJ-5150 SBG No: 3-17-SBGP-TBD

NO.	DATE	DES	CRIPT	ION
NO.	DATE	DES	DWN	REV
SSUE:	MARCH	21, 20)25	
PO IEC	`T NI∩ · 2	3 / 1 / 1	1 00	

CAD FILE: E-001-LGND.DWG DESIGN BY: KNL 12/19/2024

DRAWN BY: KCB 12/30/2024 REVIEWED BY: KNL 1/2/2025

SHEET TITLE

ELECTRICAL LEGEND AND ABBREVIATIONS

ELECTRICAL NOTES

- ONLY QUALIFIED ELECTRICAL CONTRACTORS SHALL PERFORM ELECTRICAL WORK ON THIS PROJECT.
 NEC DEFINES A QUALIFIED PERSON AS "ONE WHO HAS SKILLS AND KNOWLEDGE RELATED TO THE
 CONSTRUCTION AND OPERATION OF THE ELECTRICAL EQUIPMENT AND INSTALLATIONS AND HAS
 RECEIVED SAFETY TRAINING TO RECOGNIZE AND AVOID THE HAZARDS INVOLVED."
- KEEP ALL WORK, POWER OUTAGES, AND/OR SHUT DOWN OF EXISTING SYSTEMS COORDINATED WITH THE AIRPORT MANAGER/DIRECTOR AND RESIDENT PROJECT REPRESENTATIVE. ONCE SHUT DOWN. THE CIRCUITS SHALL BE LABELED AS SUCH TO PREVENT ACCIDENTAL ENERGIZING OF THE RESPECTIVE CIRCUITS. ALL PERSONNEL SHALL FOLLOW U.S. DEPARTMENT OF LABOR OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION (OSHA) 29 CFR PART 1910 OCCUPATIONAL SAFETY & HEALTH STANDARDS FOR ELECTRICAL SAFETY AND LOCKOUT/TAGOUT PROCEDURES INCLUDING, BUT NOT LIMITED TO, 29 CFR SECTION 1910.147 THE CONTROL OF HAZARDOUS ENERGY (LOCKOUT/TAGOUT). WHERE THE FACILITY IS NOT EQUIPPED WITH LOCKOUT/TAGOUT EQUIPMENT THE RESPECTIVE PERSONNEL WILL BE RESPONSIBLE FOR PROVIDING THE APPROPRIATE LOCKOUT/TAGOUT EQUIPMENT. WHERE EXISTING ELECTRICAL EQUIPMENT DOES NOT HAVE FEATURES FOR LOCKOLIT/TAGOLIT THE RESPECTIVE PERSONNEL WILL BE RESPONSIBLE FOR PROVIDING THE APPROPRIATE LOCKOUT/TAGOUT EQUIPMENT AND MEASURES TO ENSURE THE COMPLIANCE WITH OSHA LOCKOUT/TAGOUT PROCEDURES. FAILURE TO SHUT DOWN AND LOCKOUT THE CIRCUIT PRESENTS A DANGEROUS HAZARD FOR PERSONNEL WORKING ON THE SYSTEM. COMPLIANCE WITH LOCKOUT/TAGOUT PROCEDURES AND ALL OTHER SAFETY PROCEDURES AND REQUIREMENTS ARE THE RESPONSIBILITY OF EACH INDIVIDUAL. THE CONTRACTOR, THE RESPECTIVE MAINTENANCE PERSONNEL, AND ANY OTHER PERSONNEL WORKING ON THE EQUIPMENT OR ELECTRICAL SYSTEM.
- 3. ALL ELECTRICAL EQUIPMENT AND MATERIALS SHALL BE INSTALLED IN CONFORMANCE WITH NFPA 70 NATIONAL ELECTRICAL CODE (NEC), MOST CURRENT ISSUE IN FORCE, THE RESPECTIVE EQUIPMENT MANUFACTURER'S DIRECTIONS, AND ALL OTHER APPLICABLE LOCAL CODES, LAWS, ORDINANCES, AND REQUIREMENTS IN FORCE. ELECTRICAL EQUIPMENT AND MATERIALS SHALL BE INSTALLED IN CONFORMANCE WITH THE RESPECTIVE MANUFACTURER'S DIRECTIONS AND RECOMMENDATIONS FOR THE RESPECTIVE APPLICATION. ANY INSTALLATIONS WHICH VOID THE UL LISTING, ETL LISTING, FM APPROVAL, OR OTHER THIRD PARTY LISTING, AND/OR THE MANUFACTURER'S WARRANTY OF A DEVICE WILL NOT BE PERMITTED.
- CONTRACTOR SHALL VERIFY RESPECTIVE CIRCUITS AND POWER SOURCES PRIOR TO REMOVING, DISCONNECTING, RELOCATING, CONNECTING OR WORKING ON THE RESPECTIVE BUILDING, FACILITY, FOLIPMENT OR OTHER DEVICES
- CONTRACTOR SHALL COORDINATE INSTALLATIONS AND ELECTRICAL WORK WITH BUILDING LAYOUT, DOORS, CONCRETE WORK, STRUCTURAL WORK, DRAINAGE, SITE WORK, AND ALL OTHER TRADES.
- 6. PER THE REQUIREMENTS OF NEC 513, AIRCRAFT HANGARS ARE CLASSIFIED AS A CLASS I, DIVISION 2, GROUP D HAZARDOUS LOCATION FOR A LEVEL OF 18 IN. ABOVE THE FLOOR FOR THE ENTIRE AREA OF THE HANGAR. PER NEC 513.3(C) "VICINITY OF AIRCRAFT", THE AREA WITHIN 5 FT HORIZONTALLY FROM AIRCRAFT POWER PLANTS OR AIRCRAFT FUEL TANKS SHALL BE CLASSIFIED AS A CLASS I, DIVISION 2 LOCATION THAT SHALL EXTEND UPWARD FROM THE FLOOR TO A LEVEL 5 FT ABOVE THE UPPER SURFACE OF WINGS AND OF ENGINE ENCLOSURES. ALL ELECTRICAL INSTALLATIONS IN THE HANGAR SHALL CONFORM TO THE APPLICABLE SECTIONS OF NEC 500, 501, AND 513 IN ADDITION TO THE OTHER APPLICABLE SECTIONS, IT SHALL BE SUITABLE FOR USE IN THE RESPECTIVE CLASSIFIED HAZARDOUS LOCATION, IT SHALL BE SUITABLE FOR USE IN THE RESPECTIVE CLASSIFIED HAZARDOUS LOCATION. WHERE POSSIBLE, AVOID INSTALLATION OF ELECTRICAL EQUIPMENT, RACEWAYS, AND WIRING IN THE CLASSIFIED HAZARDOUS AREAS OF AIRCRAFT HANGARS.
- 7. LIGHTING FIXTURES IN THE HANGAR SHALL COMPLY WITH NEC 513.7 (C) "ARCING EQUIPMENT" WHICH STATES: "IN LOCATIONS ABOVE THOSE DESCRIBED IN 513.3, EQUIPMENT THAT IS LESS THAN 10 FT. ABOVE WINGS AND ENGINE ENCLOSURES OF AIRCRAFT AND THAT MAY PRODUCE ARCS, SPARKS, OR PARTICLES OF HOT METAL, SUCH AS LAMPS AND LAMP HOLDERS FOR FIXED LIGHTING, CUTOUTS, SWITCHES, RECEPTACLES, CHARGING PANELS, GENERATOR, MOTORS, OR OTHER EQUIPMENT HAVING MAKE-AND-BREAK OR SLIDING CONTACTS, SHALL BE OF THE TOTALLY ENCLOSED TYPE OR CONSTRUCTED SO AS TO PREVENT THE ESCAPE OF SPARKS OR HOT METAL PARTICLES." PROVIDE FIXTURES COMPLETE WITH ALL REQUIRED ACCESSORIES. LIGHTING FIXTURES SHALL BE LISTED SUITABLE FOR THE RESPECTIVE LOCATION OR ENVIRONMENT WHERE THEY ARE INSTALLED.
- 8. ELECTRICAL INSTALLATIONS IN THE HANGARS SHALL ALSO COMPLY WITH THE APPLICABLE SECTIONS OF NFPA 409 STANDARD ON AIRCRAFT HANGARS (CURRENT ISSUE IN EFFECT).
- AIRCRAFT HANGAR GROUP CLASSIFICATION SHALL BE IN ACCORDANCE WITH NFPA 409 AND THE AUTHORITY OF JURISDICTION. THE VANDALIA AIRPORT T-HANGAR CLASSIFICATION IS NFPA 409, GROUP III, TYPE II (000) CONSTRUCTION WITH A MAXIMUM SINGLE FIRE AREA OF 12,000 S.F.
- 10. FIXED WIRING IN HANGARS, BUT NOT INSTALLED IN A CLASS I HAZARDOUS LOCATION AS DEFINED BY NEC 513.3, SHALL BE INSTALLED IN METAL RACEWAYS. ALL RACEWAYS SHALL BE PROPERLY SIZED FOR THE RESPECTIVE CONDUCTOR FILL IN ACCORDANCE WITH NEC. BRANCH CIRCUITS FOR INTERIOR LIGHTING AND RECEPTACLES SHALL BE INSTALLED IN EMT WITH COMPRESSION FITTINGS. SET SCREW FITTINGS ARE NOT ACCEPTABLE. BRANCH CIRCUITS EXTENDING TO EXTERIOR LIGHTING AND RECEPTACLES SHALL BE INSTALLED IN GRSC WITH THREADED FITTINGS. CONDUITS EXTENDING INTO CLASSIFIED HAZARDOUS AREAS (INCLUDING CONDUIT BELOW FLOOR SLAB) SHALL BE GALVANIZED RIGID STEEL WITH THREADED FITTINGS AND EXPLOSION PROOF CONDUIT SEAL-OFF FITTINGS LISTED FOR CLASS I. DIVISION 1. GROUP C AND D LOCATION.
- 11. CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF FAA AC NO. 150/5370-2G (OR MOST CURRENT ISSUE) "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION".
- 12. THE HANGAR BUILDING INTERIOR LIGHT FIXTURES SHALL BE LED (LIGHT EMITTING DIODE) BAY LIGHTS. LIGHT FIXTURES IN THE HANGAR AREA SHALL BE TOTALLY ENCLOSED TYPE TO CONFORM WITH NEC 513.7. LIGHT FIXTURES SHALL BE LISTED AND RATED SUITABLE FOR THE APPLICATION AND RESPECTIVE OPERATING AMBIENT TEMPERATURE RANGE. THE HANGAR AREA CEILING MOUNTED LIGHT FIXTURES SHALL BE MOUNTED SUCH THAT THE BOTTOM OF THE LIGHT FIXTURES ARE ABOVE THE TOP OF THE HANGAR DOOR. CEILING MOUNTED LIGHT FIXTURES IN THE HANGAR BAY AREAS SHALL NOT EXTEND BELOW THE HEIGHT OF THE HANGAR DOOR. LIGHTING IN GENERAL HANGARS TO FEATURE ON-OFF TOGGLE SWITCHES FOR CONTROL. PROVIDE TOGGLE SWITCHES TO CONTROL HANGAR BAY LIGHTING AT EACH MAN DOOR ENTRY OR EXIT.

- 13. PROVIDE HANGAR BUILDING EXTERIOR LIGHT FIXTURES (OUTDOOR LIGHTING) TO ILLUMINATE THE TAXI LANE AREAS. PROVIDE LED (LIGHT EMITTING DIODE) LUMINAIRES UL LISTED FOR WET LOCATIONS AND CORROSION RESISTANT, TO ILLUMINATE THE TAXI LANE AREAS. EXTERIOR LIGHTS TO BE CONTROLLED BY LIGHTING CONTACTOR AND PHOTOCELL.
- CONTRACTOR SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF NFPA 70E STANDARD FOR ELECTRICAL SAFETY IN THE WORK PLACE.
- 15. COORDINATE WORK WITH THE AIRPORT MANAGER AND AIRPORT TENANTS.
- 16. FURNISH AND INSTALL WEATHERPROOF WARNING LABELS FOR EACH METER SOCKET, SERVICE DISCONNECT, SAFETY SWITCH, PANELBOARD, AND CONTROL PANEL TO WARN PERSONS OF POTENTIAL ELECTRIC ARC FLASH HAZARDS PER THE REQUIREMENTS OF NEC 110.16 "ARC FLASH HAZARD WARNING"
- 17. SERVICE EQUIPMENT SHALL BE LEGIBLY MARKED IN THE FIELD WITH THE MAXIMUM AVAILABLE FAULT CURRENT. THE FIELD MARKING SHALL INCLUDE THE DATE THE FAULT -CURRENT CALCULATION WAS PERFORMED AND OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED.
- TOGGLE SWITCHES, CONVENIENCE RECEPTACLES, AND CONTROL STATIONS LOCATED IN THE HANGAR BAYS SHALL BE MOUNTED 48" ABOVE FINISHED FLOOR.
- 19. ALL 125-VOLT, 60 HZ, SINGLE-PHASE, 15 AND 20 AMPERE RECEPTACLES INSTALLED IN AREAS WHERE ELECTRICAL DIAGNOSTIC EQUIPMENT, ELECTRICAL HAND TOOLS, OR PORTABLE LIGHTING EQUIPMENT ARE TO BE USED SHALL HAVE GROUND-FAULT CIRCUIT INTERRUPTER PROTECTION FOR PERSONNEL TO CONFORM TO NEC 513.12. THE RESPECTIVE 125-VOLT, 60 HZ, SINGLE-PHASE, 15 AND 20 AMPERE RECEPTACLES LOCATED IN THE HANGAR BAYS SHALL BE DUPLEX, 120 VAC SPECIFICATION GRADE, 20 AMP, NEMA 5-20R, UL LISTED GROUND FAULT CIRCUIT INTERRUPTER TYPE.
- 20. EXPOSED OUTLET BOXES SHALL BE DIE CAST CONSTRUCTION, WEATHERPROOF BOXES AS MANUFACTURED BY HUBBELL/RACO/BELL, APPLETON, CROUSE-HINDS OR APPROVED EQUAL, WITH STAINLESS STEEL COVER PLATES.
- 21. PROVIDE CORROSION RESISTANT STRUT SUPPORT WITH CORROSION RESISTANT HARDWARE FOR MOUNTING ELECTRICAL EQUIPMENT AND RACEWAYS.
- 22. ALL CONDUCTORS SHALL BE COPPER. SECONDARY SERVICE CONDUCTORS SHALL BE 600 VOLT, TYPE XHHW-2 OR TYPE USE-2. FEEDER AND BRANCH CIRCUIT CONDUCTORS FOR USE IN THE HANGAR SHALL BE 600 VOLT TYPE THWN-2 OR XHHW-2. ALL CONDUCTORS SHALL BE SIZED PER NEC 75 DEGREE C AMPACITY TARI ES
- 23. 15 AMP AND 20 AMP BRANCH CIRCUITS SHALL USE 12 AWG THWN-2 COPPER CONDUCTORS (MINIMUM). FOR 20 AMPS BRANCH CIRCUITS NO MORE THAN 9 #12 AWG CURRENT CARRYING CONDUCTORS SHALL BE INSTALLED IN THE SAME CONDUIT OR RACEWAY. ADJUST/INCREASE CONDUCTOR SIZES WHERE MORE THAN 3 CURRENT CARRYING CONDUCTORS ARE INSTALLED IN A SINGLE RACEWAY, PER THE REQUIREMENTS OF NEC 310.15(B)(3)(A).
- 24. COLOR-CODE PHASE AND NEUTRAL CONDUCTOR INSULATION FOR NO. 6 AWG OR SMALLER. PROVIDE COLORED MARKING TAPE FOR PHASE AND NEUTRAL CONDUCTORS FOR NO. 4 AWG AND LARGER. INSULATED GROUND CONDUCTORS SHALL HAVE GREEN-COLORED INSULATION FOR ALL CONDUCTOR SIZES (AWG AND/OR KCMIL) TO COMPLY WITH NEC 250.119. CONTRACTOR SHALL ARRANGE WITH HIS SUPPLIER TO PROVIDE CONDUCTORS WITH GREEN COLORED INSULATION FOR ALL INSULATED GROUND WIRES REGARDLESS OF CONDUCTOR SIZE (AWG AND/OR KCMIL). NEUTRAL CONDUCTORS SHALL HAVE WHITE-COLORED INSULATION FOR NO. 6 AWG AND SMALLER TO MEET THE REQUIREMENTS OF NEC 200.6. STANDARD COLORS FOR 120/240 VAC, SINGLE PHASE, 3-WIRE WITH GROUND POWER WIRING AND BRANCH CIRCUITS SHALL BE AS FOLLOWS: PHASE A -BLACK, PHASE B RED, NEUTRAL WHITE, GROUND -GREEN.
- 25. THE LOCATION, SIZE, AND TYPE OF MATERIAL OF EXISTING UNDERGROUND AND/OR ABOVEGROUND UTILITIES INDICATED ON THE PLANS ARE NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT, OR COMPLETE. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY WHATSOEVER IN RESPECT TO THE ACCURACY, COMPLETENESS, OR SUFFICIENCY OF THE INFORMATION. THERE IS NO GUARANTEE, EITHER EXPRESSED OR IMPLIED, THAT THE LOCATIONS, SIZE, AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ARE REPRESENTATIVE OF THOSE TO BE ENCOUNTERED IN THE CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES OF HIS OPERATIONAL PLANS, AND SHALL OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION AND ASSISTANCE RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULE OF THE COMPANIES FOR REMOVAL OR ADJUSTMENT WHERE REQUIRED. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY OF JURISDICTION. THE OWNER AND/OR THE RESIDENT ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY DAMAGE TO SUCH MAINS AND SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT. ALL LITH ITY CABLES AND LINES SHALL BE LOCATED BY THE RESPECTIVE UTILITY. CONTACT JULIE (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS) FOR UTILITY INFORMATION PHONE: 1-800-892-0123. ALSO CONTACT AIRPORT DIRECTOR/MANAGER AND AIRPORT PERSONNEL FOR ASSISTANCE IN LOCATING UNDERGROUND AIRPORT CABLES AND/OR UTILITIES. ALSO COORDINATE WORK WITH ALL ABOVEGROUND UTILITIES.

THE ELECTRICAL DESIGN & **EQUIPMENT LAYOUT DETAILED HEREIN ON THESE** PLANS DOES NOT REQUIRE **MATERIALS & EQUIPMENT** WITH EXPLOSION PROOF RATINGS (SUITABLE FOR CLASS I, DIV. 1 OR 2 HAZARDOUS LOCATION). IN THE EVENT THAT THE CONTRACTOR CHANGES THE DESIGN OR EQUIPMENT LAYOUT THE CONTRACTOR SHALL FURNISH ELECTRICAL PLANS SIGNED AND SEALED BY AN ELECTRICAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF ILLINOIS.



Offices Nationwide

Hanson Professional Services Inc. 1525 S. 6th Street Springfield, IL 62568 phone: 217-788-2450 fax: 217-788-2503

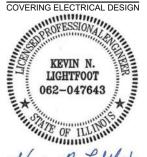
Illinois Licensed Professional Service Corporation #184-001084



ROCHELLE MUNICIPAL AIRPORT MAJOR THOMAS F. KORITZ FIELD

1201 West Gurler Road Rochelle, Illinois 61068 Telephone: 815.562.8619

elephone: 815.562.8619



ATE LICENSE IGNED: 3/21/2025 EXPIRES: 11/30/2025

CONSTRUCT 8-UNIT T-HANGAR AND PAVEMENT SITEWORK

IDA No: RPJ-5150 SBG No: 3-17-SBGP-TBD

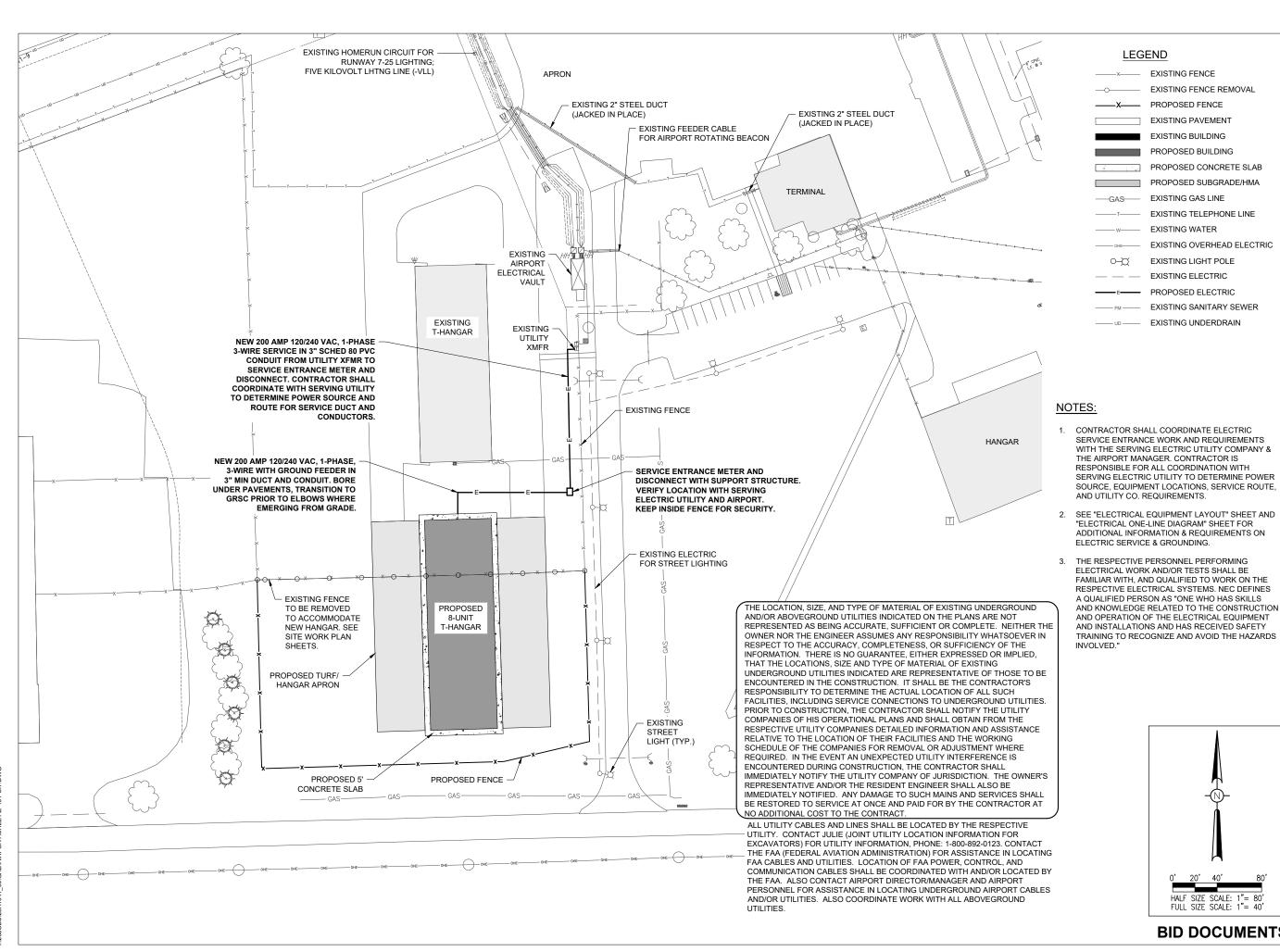
NO.	DATE	DES	CRIPT	ION
NO.	DATE	DES	DWN	REV
ISSUE:	MARCH	21, 20)25	
DDO IEC	T NO. 2	2 / 1 / 1	1 00	

PROJECT NO: 23A1041.00 CAD FILE: E-002-NOTES.DWG DESIGN BY: KNL 12/19/2024

DRAWN BY: KCB 12/30/2024 REVIEWED BY: KNL 1/2/2025

SHEET TITLE

ELECTRICAL NOTES





www.hanson-inc.com

PROPOSED FENCE

EXISTING PAVEMENT

EXISTING BUILDING PROPOSED BUILDING

EXISTING GAS LINE

PROPOSED CONCRETE SLAB PROPOSED SUBGRADE/HMA

EXISTING TELEPHONE LINE EXISTING WATER

EXISTING LIGHT POLE

EXISTING ELECTRIC

PROPOSED ELECTRIC

EXISTING UNDERDRAIN

EXISTING OVERHEAD ELECTRIC

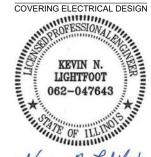
Hanson Professional Services Inc. 1525 S. 6th Street Springfield, IL 62568 phone: 217-788-2450 fax: 217-788-2503

Illinois Licensed Professional Service Corporation #184-001084



ROCHELLE MUNICIPAL AIRPORT MAJOR THOMAS F. KORITZ FIELD

1201 West Gurler Road Rochelle, Illinois 61068 Telephone: 815.562.8619



CONSTRUCT 8-UNIT T-HANGAR AND PAVEMENT **SITEWORK**

IDA No: RPJ-5150 SBG No: 3-17-SBGP-TBD

DESCRIPTION NO. DATE DES DWN REV ISSUE: MARCH 21, 2025

PROJECT NO: 23A1041.00 CAD FILE: E-101-SIT.DWG DESIGN BY: KNI 12/19/2024 DRAWN BY: KCB 12/30/2024 REVIEWED BY: KNL 1/2/2025

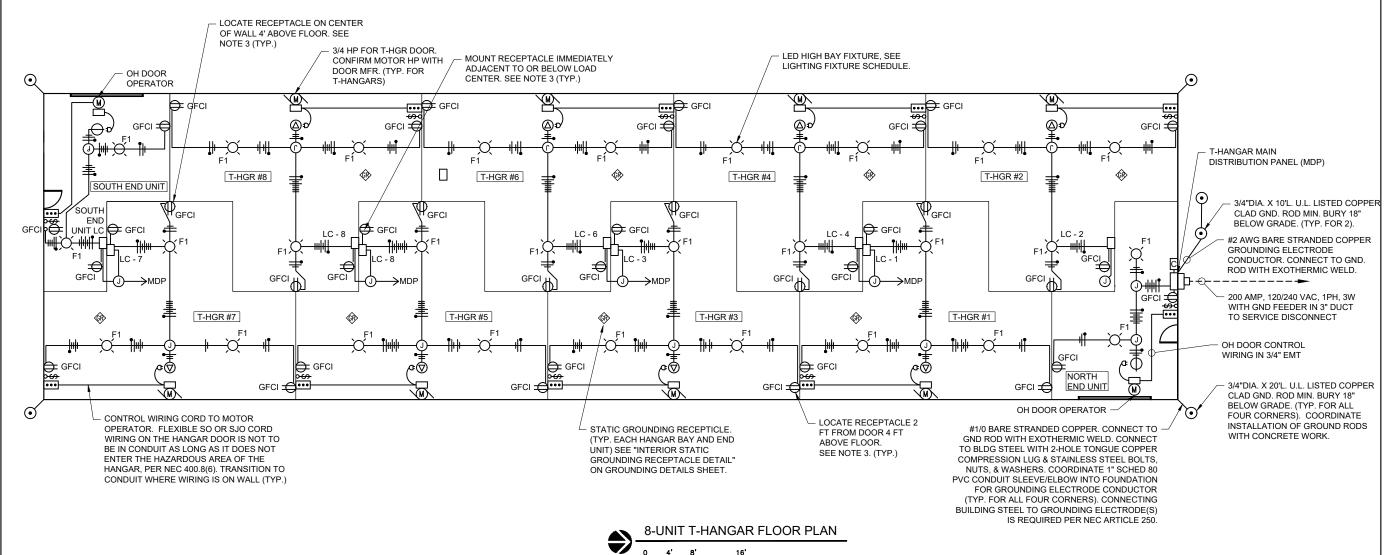
SHEET TITLE

ELECTRICAL SITE PLAN

BID DOCUMENTS

HALF SIZE SCALE:

20



ELECTRICAL NOTES

- SEE "ELECTRICAL ONE-LINE" DIAGRAM FOR FEEDER CIRCUIT CONDUIT & WIRING SIZES AND TYPES.
- TOGGLE SWITCHES, CONVENIENCE RECEPTACLES, & CONTROL STATIONS SHALL BE MOUNTED 48" ABOVE FINISHED FLOOR
- CONVENIENCE RECEPTACLES SHALL BE DUPLEX, 120 VAC SPEC GRADE, 20 AMP, NEMA 5-20R UL LISTED GROUND FAULT CIRCUIT INTERRUPTER TYPE PER 2017 NEC 513.12. FURNISH AND INSTALL 1#12 THWN, 1#12 NEUTRAL, 1#12 GND. IN 3/4" EMT FROM RESPECTIVE LOAD CENTER TO EACH 120 VAC CONVENIENCE RECEPTACLE.
- OUTLET BOXES SHALL BE DIE CAST CONSTRUCTION HUBBELL/RACO/BELL, APPLETON, OR CROUSE-HINDS WEATHERPROOF OUTLET BOXES WITH STAINLESS STEEL COVER PLATES. PROVIDE A DOUBLE GANG BOX FOR THE TOGGLE SWITCH & GFCI RECEPTACLE AT LOCATION BY DOORWAY
- BI-FOLD DOOR MOTORS, CONTROLLERS, LIMIT SWITCHES AND PUSH BUTTON STATIONS SHALL BE FURNISHED BY BUILDING CONTRACTOR. THE PUSH BUTTON STATIONS SHALL BE WIRED AND MOUNTED BY ELECTRICAL CONTRACTOR (48" HEIGHT). MOTORS, CONTROLLERS, 24 VOLT CONTROL TRANSFORMER AND LIMIT SWITCHES SHALL BE WIRED BY THE BI-FOLD DOOR MANUFACTURER. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL A 20 AMP, 240 VAC, NEMA 6-20R, SPECIFICATION GRADE RECEPTACLE, BOX AND COVER TO ACCOMMODATE THE BI-FOLD DOOR MOTOR CIRCUIT. CONFIRM PLUG CONFIGURATION FOR COMPATIBILITY WITH RECEPTACLE & ADJUST AS APPLICABLE
- ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL HOT-DIPPED GALVANIZED STEEL STRUT SUPPORT & CORROSION RESISTANT HARDWARE FOR MOUNTING ELECTRICAL PANELS. SWITCHES, OUTLETS, BOXES, & OTHER EQUIPMENT. SECURELY FASTEN TO BUILDING GIRT. PROVIDE ADDITIONAL STRUT HARDWARE SUPPORTED FROM THE FLOOR WHERE
- 7. JUNCTION BOXES WILL BE SIZED PER NEC 314 FOR THE RESPECTIVE SPLICES, WIRING AND CONDUITS.

- FEEDER CONDUITS TO LOAD CENTERS & BRANCH CIRCUIT CONDUITS FROM LOAD CENTERS SHALL BE EMT WITH COMPRESSION FITTINGS, PROVIDED IT DOES NOT ENTER A CLASSIFIED HAZARDOUS LOCATION. ALL CONDUIT AND WIRING ENTERING OR INSTALLED IN A CLASSIFIED HAZARDOUS LOCATION SHALL CONFORM TO NEC 501 AND NEC 513. ALL FIXED WIRING IN THE HANGAR, BUT NOT WITHIN A CLASS I LOCATION SHALL BE IN METAL RACEWAYS TO MEET THE REQUIREMENTS OF NEC 513.7. CONDUITS EXTENDING TO THE BUILDING EXTERIOR SHALL TRANSITION TO GRSC, PRIOR TO EXITING THE BUILDING. ALL CONDUIT RUNS SHALL BE OVERHEAD TO AVOID THE CLASSIFIED HAZARDOUS AREA 18" ABOVE THE FLOOR.
- ALL FIXTURES SHALL COMPLY WITH NEC 513.7 (C) ARCING EQUIPMENT WHICH STATES "IN LOCATIONS ABOVE THOSE DESCRIBED IN 513.3, EQUIPMENT THAT IS LESS THAN 10 FT. ABOVE WINGS AND ENGINE ENCLOSURES OF AIRCRAFT AND THAT MAY PRODUCE ARCS, SPARKS, OR PARTICLES OF HOT METAL, SUCH AS LAMPS AND LAMPHOLDERS FOR FIXED LIGHTING, CUTOUTS, SWITCHES, RECEPTACLES, CHARGING PANELS, GENERATORS, MOTORS, OR OTHERS EQUIPMENT HAVING MAKE-AND-BREAK OR SLIDING CONTACTS, SHALL BE OF THE TOTALLY ENCLOSED TYPE OR CONSTRUCTED SO AS TO PREVENT THE ESCAPE OF SPARKS OR HOT METAL PARTICLES." LIGHT FIXTURES ARE NOT REQUIRED TO BE EXPLOSION PROOF WHERE LOCATED AS DETAILED HEREIN, ON THE PLANS.
- 15 AMP & 20 AMP, BRANCH CIRCUITS SHALL USE #12 AWG THWN COPPER CONDUCTORS (MINIMUM). FOR 20 AMP BRANCH CIRCUITS NO MORE THAN 9 #12 AWG CURRENT CARRYING CONDUCTORS SHALL BE INSTALLED IN THE SAME CONDUIT OR RACEWAY. ADJUST/INCREASE CABLE SIZES WHERE MORE THAN 3 CURRENT CARRYING CONDUCTORS ARE INSTALLED IN A SINGLE RACEWAY, PER THE REQUIREMENTS OF NEC 310.15(B)(3)(a).
- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING THE POSITION OF ALL CONDUITS ALONG STRUCTURAL ROOF MEMBERS, PROPERLY FASTENING, SLEEVING AND FLASHING ALL OPENINGS THROUGH THE PARTITION WALLS, FIELD VERIFY CONDUIT ROUTING.



www.hanson-inc.com

Hanson Professional Services Inc. 1525 S. 6th Street Springfield, IL 62568 phone: 217-788-2450 fax: 217-788-2503

Illinois Licensed Professional Service Corporation #184-001084



ROCHELLE MUNICIPAL AIRPORT MAJOR THOMAS F. KORITZ FIELD

1201 West Gurler Road Rochelle, Illinois 61068 Telephone: 815.562.8619

COVERING ELECTRICAL DESIGN

WILLIAM TO THE PARTY OF THE PAR KEVIN N. LIGHTFOOT 062-047643

CONSTRUCT 8-UNIT T-HANGAR AND PAVEMENT **SITEWORK**

IDA No: RPJ-5150 SBG No: 3-17-SBGP-TBD

DESCRIPTION NO. DATE DES DWN REV ISSUE: MARCH 21, 2025

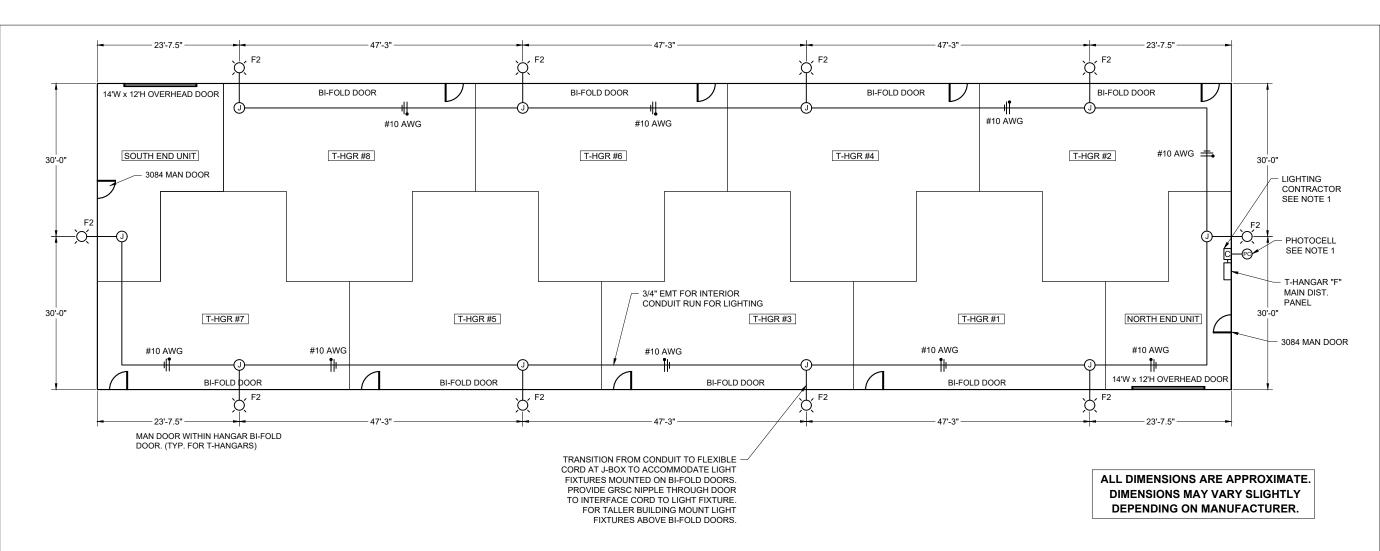
PROJECT NO: 23A1041.00

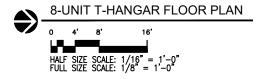
CAD FILE: E-102-PLN.DWG DESIGN BY: KNI 12/19/2024 DRAWN BY: KCB 12/30/2024

REVIEWED BY: KNL 1/2/2025

SHEET TITLE

ELECTRICAL EQUIPMENT LAYOUT





ELECTRICAL NOTES:

- FURNISH AND INSTALL A PHOTOCELL LINE VOLTAGE RATED FOR 1000 WATTS MINIMUM AT 120 VAC, SUITABLE FOR RESPECTIVE LIGHTING LOADS AND APPLICATION. LOCATE PHOTOCELL TO PROVIDE PROPER OPERATION OF EXTERIOR LIGHT FIXTURES AT DARKNESS. FURNISH AND INSTALL A 30 AMP, 2 POLE NEMA RATED LIGHTING CONTACTOR WITH 120 VAC COIL AND HAND-OFF-AUTO SELECTOR SWITCH IN A NEMA 12 ENCLOSURE WITH HINGED COVER. THIS WILL CONTROL THE EXTERIOR LIGHTING FOR THE T-HANGAR.
- SEE LIGHT FIXTURE SCHEDULE.
- JUNCTION BOXES WILL BE SIZED PER 2023 NEC 314 FOR THE RESPECTIVE SPLICES, WIRING, AND CONDUITS.
- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING THE POSITION OF ALL CONDUITS ALONG STRUCTURAL ROOF MEMBERS, PROPERLY FASTENING, SLEEVING, AND FLASHING ALL OPENING THROUGH THE PARTITION WALLS. FIELD VARIFY CONDUIT ROUTING.
- HANGAR CLASSIFICATION: NFPA 409 GROUP III, TYPE II (000) CONSTRUCTION.
- GRSC (GALVANIZED RIGID STEEL CONDUIT) SHALL BE U.L. LISTED CONFORMING TO UL-6 & ANSI C80.1. COUPLINGS, CONNECTORS, AND FITTINGS FOR RIGID STEEL CONDUIT SHALL BE THREADED GALVANIZED STEEL OR GALVANIZED MALLEABLE IRON SPECIFICALLY DESIGNED AND MANUFACTURED FOR THE PURPOSE. FITTINGS SHALL CONFORM TO ANSI C80 4
- EMT (ELECTRICAL METALLIC TUBING) SHALL BE U.L. LISTED GALVANIZED STEEL TUBING CONFORMING TO ANSI C80.3 AND U.L. 797. ALL EMT AND MOUNTING HARDWARE SHALL BE CONSTRUCTED OF CORROSION RESISTANT MATERIALS AND BE LISTED FOR USE IN WET LOCATIONS. EMT FITTINGS, COUPLINGS AND CONNECTORS SHALL BE STEEL COMPRESSION TYPE. SET SCREW FITTINGS WILL NOT BE ALLOWED.



Offices Nationwide www.hanson-inc.com

Hanson Professional Services Inc. 1525 S. 6th Street Springfield, IL 62568 phone: 217-788-2450 fax: 217-788-2503

Illinois Licensed Professional Service Corporation #184-001084



ROCHELLE MUNICIPAL AIRPORT MAJOR THOMAS F. KORITZ FIELD

1201 West Gurler Road Rochelle, Illinois 61068 Telephone: 815.562.8619



CONSTRUCT 8-UNIT T-HANGAR AND PAVEMENT **SITEWORK**

IDA No: RPJ-5150 SBG No: 3-17-SBGP-TBD

		#			
#	#	#	#	#	
#	#	#	#		
#	#	#	#	#	
#	#	#	#		
#	#	#	#	#	
#	#	#			
#	#	#	#	#	
	#	#			
	#	#	#	#	
NO.	DATE	DES	CRIPT	ION	
INO.	DATE	DES	DWN	REV	
ISSUE:	MARCH	21, 20)25		

PROJECT NO: 23A1041.00 CAD FILE: E-103-PLN.DWG DESIGN BY: KNI 12/19/2024 DRAWN BY: KCB 12/30/2024

REVIEWED BY: KNL 1/2/2025

SHEET TITLE

EXTERIOR LIGHTING PLAN

www.hanson-inc.com

Hanson Professional Services Inc. 1525 S. 6th Street Springfield, IL 62568 phone: 217-788-2450 fax: 217-788-2503

Illinois Licensed Professional Service Corporation #184-001084



ROCHELLE MUNICIPAL AIRPORT MAJOR THOMAS F. KORITZ FIELD

1201 West Gurler Road Rochelle, Illinois 61068 Telephone: 815.562.8619

COVERING ELECTRICAL DESIGN



CONSTRUCT 8-UNIT

T-HANGAR AND PAVEMENT

IDA No: RPJ-5150 SBG No: 3-17-SBGP-TBD

SITEWORK



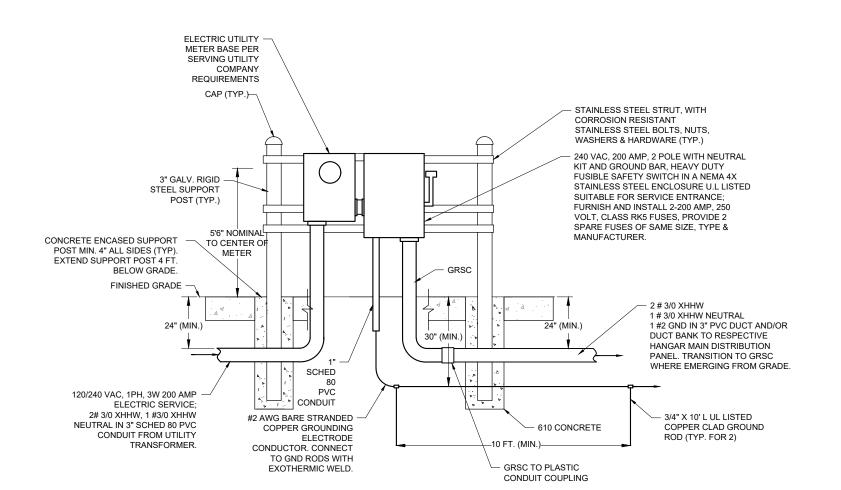
ISSUE: MARCH 21, 2025 PROJECT NO: 23A1041.00

CAD FILE: E-507-DETL.DWG DESIGN BY: KNI 12/19/2024 DRAWN BY: KCB 12/30/2024

REVIEWED BY: KNL 1/2/2025

SHEET TITLE

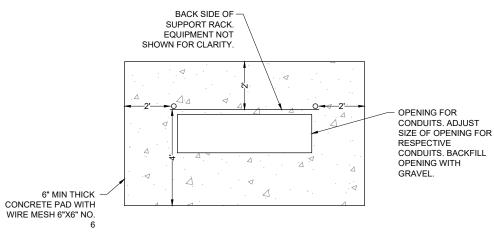
ELECTRIC SERVICE DISCONNECT **ELEVATION DETAILS**

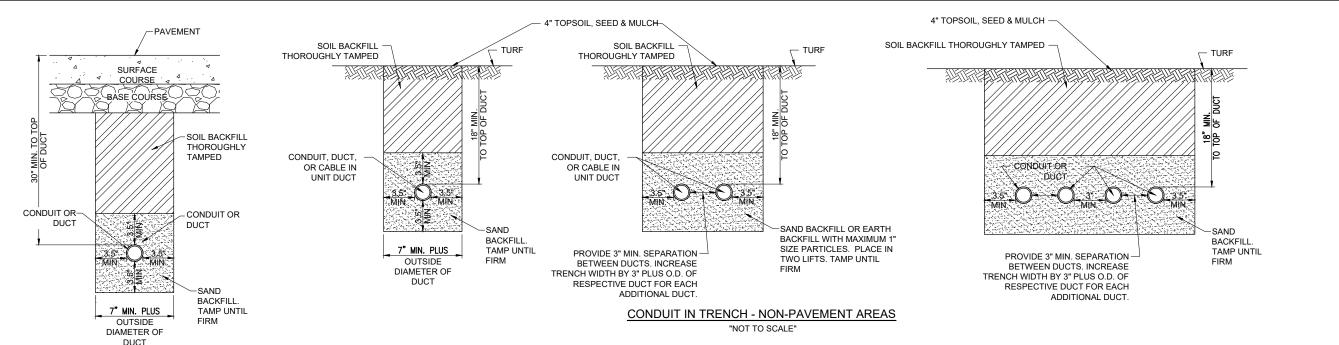


1. ALL WORK, POWER OUTAGES, AND/OR SHUT DOWN OF EXISTING SYSTEMS SHALL BE COORDINATED WITH THE AIRPORT MANAGER AND THE OPERATIONS SUPERINTENDENT. ONCE SHUT DOWN, THE CIRCUITS SHALL BE LABELED AS SUCH TO PREVENT ACCIDENTAL ENERGIZING OF THE RESPECTIVE CIRCUITS. ALL PERSONNEL SHALL FOLLOW U.S. DEPARTMENT OF LABOR OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION (OSHA) 29 CFR PART 1910 OCCUPATIONAL SAFETY & HEALTH STANDARDS FOR ELECTRICAL SAFETY AND LOCKOUT/TAGOUT PROCEDURES INCLUDING, BUT NOT LIMITED TO, 29 CFR SECTION 1910.147 THE CONTROL OF HAZARDOUS ENERGY (LOCKOUT/TAGOUT).

NOTES:

- 2. ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED IN CONFORMANCE WITH NFPA 70 - NATIONAL ELECTRICAL CODE (NEC) MOST CURRENT ISSUE IN FORCE, THE RESPECTIVE EQUIPMENT MANUFACTURER'S DIRECTIONS AND ALL OTHER APPLICABLE LOCAL CODES, LAWS, ORDINANCES AND REQUIREMENTS IN FORCE, ANY INSTALLATIONS WHICH VOID THE U.L. LISTING, ETL LISTING, (OR OTHER THIRD PARTY LISTING) AND/OR THE MANUFACTURER'S WARRANTY OF A DEVICE WILL NOT BE PERMITTED.
- 3. CONTRACTOR SHALL COORDINATE NEW ELECTRICAL SERVICE WITH THE SERVING ELECTRIC UTILITY AND THE AIRPORT MANAGER. CONTRACTOR SHALL CONFIRM REQUIREMENTS WITH SERVING ELECTRIC UTILITY
- 4. CONDUIT ENTRIES INTO NEMA 4, 4X ENCLOSURES SHALL HAVE NEMA 4, 4X HUBS TO MAINTAIN THE NEMA 4, 4X RATING OF THE ENCLOSURE.
- 5. PROVIDE 6" MIN. THICK CONCRETE PAD EXTENDING 2' PERIMETER OF SUPPORT STRUCTURE.





CONDUIT IN TRENCH - PAVED AREAS 'NOT TO SCALE"

NOTES:

- DIMENSIONS FOR COVERAGE AND SEPARATION BETWEEN DUCTS ARE MINIMUM.
- 2. TRENCHES WITH MORE THAN TWO DUCTS OR CABLE IN UNIT DUCTS SHALL BE INCREASED 3" IN WIDTH PLUS DIAMETER OF RESPECTIVE DUCT FOR EACH ADDITIONAL CONDUIT, DUCT, OR CABLE IN UNIT DUCT: IF SPECIFIED ON PLANS TWO PARALLEL TRENCHES MAY BE
- 3. DEPTH OF TRENCHES SHALL BE AS SHOWN ABOVE UNLESS OTHERWISE SPECIFIED ON THE PLANS. MINIMUM COVER REQUIREMENTS FOR CABLES AND DUCTS AT AIRPORT RUNWAYS AND ADJACENT AREAS WHERE TRESPASSING IS PROHIBITED IS 18 INCHES PER NEC 300.5 AND 300.50. MINIMUM COVER REQUIREMENTS FOR DUCTS LOCATED BELOW PAVEMENT OR ROADWAYS IS 30". MINIMUM COVER REQUIREMENTS FOR DUCTS LOCATED IN AREAS SUBJECT TO FARMING IS 42". MINIMUM COVER FOR DUCTS CONTAINING SECONDARY ELECTRIC SERVICE CONDUCTORS SHALL BE 36" OR AS REQUIRED BY THE SERVING ELECTRIC UTILITY COMPANY. ADJUST/INCREASE BURIAL DEPTHS TO ACCOMMODATE SITE CONDITIONS, DRAINAGE AND/OR OBSTRUCTIONS. COVER IS DEFINED AS THE SHORTEST DISTANCE IN INCHES MEASURED BETWEEN A POINT ON THE TOP SURFACE OF ANY DIRECT-BURIED CONDUCTOR, CABLE CONDUIT, OR OTHER RACEWAY AND THE TOP SURFACE OF FINISHED GRADE, CONCRETE OR SIMILAR COVER
- 4. HIGH VOLTAGE CIRCUITS (AIRFIELD LIGHTING 5000 VOLT SERIES CIRCUITS AND/OR OTHER CIRCUITS RATED ABOVE 600 VOLTS) AND LOW VOLTAGE CIRCUITS (RATED 600 VOLTS AND BELOW) SHALL NOT BE INSTALLED IN THE SAME RACEWAY, CONDUIT, DUCT, HANDHOLE, OR
- 5. SERVICE CONDUCTORS SHALL NOT BE INSTALLED IN THE SAME RACEWAY, CONDUIT, DUCT, OR HANDHOLE WITH FEEDER CIRCUITS, BRANCH CIRCUITS OR CONTROL CIRCUITS.
- 6. COMMUNICATION CIRCUITS SHALL NOT BE INSTALLED IN THE SAME RACEWAY, CONDUIT, DUCT. OR HANDHOLE WITH POWER CIRCUITS.
- 7. HOME RUN CABLES FOR A RECEPTIVE CIRCUIT SHALL BE INSTALLED IN THE SAME RACEWAY OR
- CONDUIT, DUCT, CABLE, AND/OR CABLE IN UNIT DUCT INTERFACE TO HANDHOLES, MANHOLES. SPLICE CANS, OR OTHER JUNCTION STRUCTURES WILL BE CONSIDERED INCIDENTAL TO THE RESPECTIVE WORK ITEM FOR WHICH IT IS NECESSARY OR APPLICABLE.
- 9. ALL DISTURBED SURFACES SHALL BE RESTORED TO THEIR ORIGINAL CONDITION. COST IS
- ALL ELECTRICAL EQUIPMENT AND MATERIALS SHALL BE INSTALLED IN CONFORMANCE WITH NEPA 70 - NATIONAL ELECTRICAL CODE (NEC) MOST CURRENT ISSUE IN FORCE. THE RESPECTIVE EQUIPMENT MANUFACTURER'S DIRECTIONS AND ALL OTHER APPLICABLE LOCAL CODES, LAWS, ORDINANCES, AND REQUIREMENTS IN FORCE. ANY INSTALLATIONS WHICH VOID THE U.L. LISTING, INTERTEK TESTING SERVICES VERIFICATION/ETL LISTING (OR OTHER THIRD PARTY LISTING) AND/OR THE MANUFACTURER'S WARRANTY OF A DEVICE WILL NOT BE PERMITTED

- 11. CONTRACTOR SHALL COORDINATE WORK AND ANY POWER OUTAGES AND/OR SHUT DOWN OF SYSTEMS WITH THE RESPECTIVE FACILITY OWNER PERSONNEL AND THE AIRPORT MANAGER/DIRECTOR. ONCE SHUT DOWN, THE CIRCUITS SHALL BE LABELED AS SUCH TO PREVENT ACCIDENTAL ENERGIZING OF THE RESPECTIVE CIRCUITS. ALL PERSONNEL SHALL FOLLOW U.S. DEPARTMENT OF LABOR OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION (OSHA) 29 CFR PART 1910 OCCUPATIONAL SAFETY & HEALTH STANDARDS FOR ELECTRICAL SAFETY AND LOCKOUT/TAGOUT PROCEDURES INCLUDING, BUT NOT LIMITED TO, 29 CFR SECTION 1910.147 THE CONTROL OF HAZARDOUS ENERGY (LOCKOUT/TAGOUT).
- 12. THE LOCATION, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND AND/OR ABOVEGROUND UTILITIES INDICATED ON THE PLANS IS NOT REPRESENTED AS BEING ACCURATE SUFFICIENT OR COMPLETE. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY WHATSOEVER IN RESPECT TO ACCURACY, COMPLETENESS, OR SUFFICIENCY OF THE INFORMATION. THERE IS NO GUARANTEE EITHER EXPRESSED OR IMPLIED, THAT THE LOCATIONS, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ARE REPRESENTATIVE OF THOSE TO BE ENCOUNTERED IN THE CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE LITH ITY COMPANIES OF HIS OPERATIONAL PLANS AND SHALL OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION AND ASSISTANCE RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULE OF THE COMPANIES FOR REMOVAL OR ADJUSTMENT WHERE REQUIRED. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY OF JURISDICTION. THE OWNER'S REPRESENTATIVE AND/OR THE RESIDENT ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY DAMAGE TO SUCH MAINS AND SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT. ALL LITHLITY CABLES AND LINES SHALL BE LOCATED. BY THE RESPECTIVE UTILITY. CONTACT JULIE (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS) FOR UTILITY INFORMATION, PHONE: 1-800-892-0123. CONTACT THE FAA (FEDERAL AVIATION ADMINISTRATION) FOR ASSISTANCE IN LOCATING FAA CABLES AND UTILITIES. ALSO CONTACT AIRPORT DIRECTOR/MANAGER AND AIRPORT PERSONNEL FOR ASSISTANCE IN LOCATING UNDERGROUND AIRPORT CABLES AND/OR UTILITIES. ALSO COORDINATE WORK WITH ALL ABOVEGROUND UTILITIES.
- 13. ADJUSTMENTS TO DUCT BANK ROUTES MIGHT BE REQUIRED TO ACCOMMODATE EXISTING SITE CONDITIONS AND UNDERGROUND LINES AND UTILITIES. CONTRACTOR SHALL FIELD VERIFY EXISTING SITE CONDITIONS. CONTRACTOR SHALL COORDINATE DUCT ROUTE ADJUSTMENTS WITH THE RESIDENT ENGINEER/ RESIDENT TECHNICIAN AND THE AIRPORT MANAGER
- 14. CONTRACTOR SHALL LOCATE AND MARK ALL EXISTING CABLES, LINES, OR UTILITIES WITHIN 10 FT OF PROPOSED EXCAVATING/TRENCHING AREA. ANY CABLES, LINES, AND UTILITIES FOUND INTERFERING WITH PROPOSED EXCAVATION OR CABLE/TRENCHING SHALL BE HAND DUG AND EXPOSED. ANY DAMAGED CABLES OR OTHER UTILITIES SHALL BE IMMEDIATELY REPAIRED TO THE SATISFACTION OF THE RESPECTIVE OWNER'S REPRESENTATIVE AT THE CONTRACTOR'S EXPENSE. THE RESIDENT ENGINEER/RESIDENT TECHNICIAN AND OWNER SHALL BE NOTIFIED IMMEDIATELY IF ANY CABLES OR OTHER UTILITIES ARE DAMAGED.
- 15. PAYMENT FOR LOCATING AND MARKING UNDERGROUND UTILITIES AND CABLES WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCIDENTAL TO THE RESPECTIVE DUCT INSTALLATION

- 16. THE CONTRACTOR WILL DETERMINE IF THERE IS A CONFLICT BETWEEN THE INSTALLATION OF THE PROPOSED ELECTRICAL DUCTS AND ANY EXISTING UTILITIES. THE CONTRACTOR WILL MAKE ALL NECESSARY ADJUSTMENTS IN DEPTH OF INSTALLATION TO AVOID ANY AND ALL PROPOSED UNDERGROUND IMPROVEMENTS
- 17. CONDUITS FOR DIRECT BURIAL OR CONCRETE ENCASED DUCT BANK SHALL BE SCHEDULE 40 PVC CONDUIT, UL-LISTED, RATED FOR 90°C CABLE-CONFORMING TO NEMA STANDARD TC-2 AND UL 651, LISTED SUITABLE FOR UNDERGROUND USE EITHER DIRECT-BURIED OR ENCASED IN CONCRETE, OR SCHEDULE 40 (MINIMUM) HDPE CONDUIT, UL LISTED, CONFORMING TO NEMA STANDARD TC-7 AND UL 651B AND LISTED SUITABLE FOR UNDERGROUND USE; EITHER DIRECT BURY OR ENCASED IN CONCRETE
- 18. CONDUITS FOR ELECTRIC UTILITY SERVICE SHALL CONFORM TO THE SERVING ELECTRIC UTILITY COMPANY REQUIREMENTS
- CONDUITS FOR DIRECTIONAL BORING SHALL BE SCHEDULE 40 PVC CONDUIT OR SCHEDULE 80 PVC CONDUIT, UL-LISTED, RATED FOR 90°C CABLE-CONFORMING TO NEMA STANDARD TC-2 AND UL 651 AND SUITABLE FOR DIRECTIONAL BORING INSTALLATION, SCHEDULE 80 HDPE CONDUIT, UL-LISTED. CONFORMING TO NEMA STANDARD TC-7 AND UL 651B AND SUITABLE FOR DIRECTIONAL BORING INSTALLATION, OR WALL TYPE SDR 13.5 OR SDR 11 HDPE CONDUIT MANUFACTURED IN ACCORDANCE WITH ASTM D-3350 (SPECIFICATION OF POLYETHYLENE PLASTICS PIPE AND FITTINGS MATERIALS) AND ASTM F2160 (STANDARD SPECIFICATION FOR SOLID WALL, HIGH-DENSITY POLYETHYLENE CONDUIT BASED ON CONTROLLED OUTSIDE DIAMETER), AND SUITABLE FOR DIRECTIONAL BORING INSTALLATION. PER NEC 300.5 (K) RACEWAYS INSTALLED USING DIRECTIONAL BORING EQUIPMENT SHALL BE APPROVED FOR THE
- 20. WHERE CONCRETE-ENCASED DUCT INTERFACES TO AN ELECTRICAL HANDHOLE OR MANHOLE, THE CONCRETE ENCASEMENT SHALL BE INSTALLED UP TO THE RESPECTIVE HANDHOLE OR MANHOLE. PROVIDE BUSHINGS OR BELLS AT CONDUIT TERMINATIONS IN ELECTRICAL HANDHOLES OR MANHOLES.
- UNDERGROUND DUCTS INSTALLED BY DIRECTIONAL-BORING METHOD SHALL BE INSTALLED IN A MANNER THAT WILL NOT DAMAGE ANY EXISTING UNDERGROUND UTILITIES. AND SHALL NOT DISTURB OR DAMAGE THE RESPECTIVE PAVEMENT OR ROADWAY SURFACE. DUCTS SHALL BE DIRECTIONAL-BORED AT THE LOCATIONS SHOWN ON THE CONSTRUCTION PLANS. THE DUCTS WILL BE BORED AT A MINIMUM DEPTH OF 42 IN. BELOW THE RESPECTIVE PAVEMENT IT IS BEING
- 22. A PULL WIRE SHALL BE INSTALLED IN EACH CONDUIT OR DUCT TO BE LEFT VACANT.
- 23 COORDINATE DUCT INTERFACE TO MANHOLES AND HANDHOLES. FIELD CUT OPENINGS FOR CONDUITS AND DUCTS TO INTERFACE TO MANHOLES AND/OR HANDHOLES. CUT WALL OF RESPECTIVE HANDHOLE OR MANHOLE WITH A TOOL DESIGNED FOR MATERIAL TO BE CUT. SIZE HOLES FOR RESPECTIVE DUCTS, CONDUITS, AND TERMINATION FITTINGS AND SEAL AROUND PENETRATIONS. ALL CORING, INTERFACE, CUTTING, AND SEALING WILL BE CONSIDERED INCIDENTAL TO THE RESPECTIVE DUCT INSTALLATION AND/OR RESPECTIVE HANDHOLE/MANHOLE INSTALLATION.
- 24 CONTRACTOR SHALL COORDINATE DUCT MARKING WITH AIRPORT
- 25. ALL POWER AND CONTROL CABLES IN HANDHOLES, MANHOLES, AND JUNCTION BOXES SHALL BE TAGGED TO IDENTIFY THE RESPECTIVE CABLE. A MINIMUM OF TWO TAGS SHALL BE PROVIDED ON EACH CABLE IN A MANHOLE; ONE AT THE CABLE ENTRANCE AND ONE AT THE CABLE EXIT. CABLE TAGS SHALL BE STAMPED BRASS TAGS OR OTHER WEATHERPROOF/WATERPROOF CORROSION RESISTANT MATERIAL

BID DOCUMENTS



Hanson Professional Services Inc. 1525 S. 6th Street Springfield, IL 62568 phone: 217-788-2450 fax: 217-788-2503

Illinois Licensed Professional Service Corporation #184-001084



ROCHELLE MUNICIPAL AIRPORT MAJOR THOMAS E KORITZ FIELD

1201 West Gurler Road Rochelle, Illinois 61068 Telephone: 815.562.8619



CONSTRUCT 8-UNIT T-HANGAR AND PAVEMENT **SITEWORK**

IDA No: RPJ-5150 SBG No: 3-17-SBGP-TBD

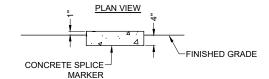
	NO.	DATE	DESCRIPTION			
	NO.	DATE	DES	DWN	REV	
	ISSUE:	MARCH	21, 20)25		
	DDO IEC	T NO 2	3 / 1 / 1	1 00		

CAD FILE: E-501-DETL.DWG DESIGN BY: KNI 12/19/2024 DRAWN BY: KCB 12/11/2024

REVIEWED BY: KNL 1/2/2025

SHEET TITLE

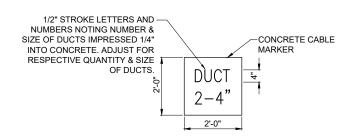
CONDUIT TRENCH **DETAILS & NOTES**

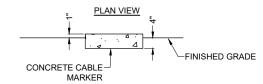


SECTION VIEW

TURF SPLICE MARKERS

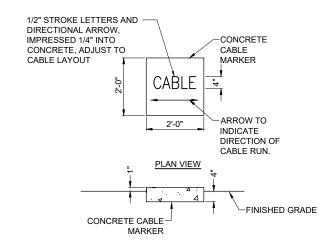
"NOT TO SCALE"





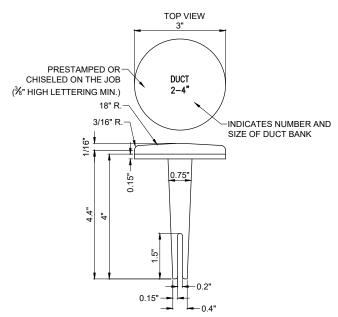
SECTION VIEW

TURF DUCT MARKERS "NOT TO SCALE"



SECTION VIEW

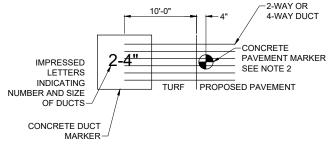
TURF CABLE MARKERS "NOT TO SCALE"



BITUMINOUS PAVEMENT DUCT MARKERS

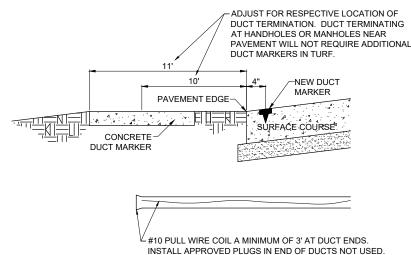
NOTE:

- TOP OF MARKER SHALL BE FLUSH WITH FINISHED PAVEMENT SURFACE. MARKER MAY BE INSTALLED IN A DRILLED HOLE AND SECURED WITH EPOXY GLUE
- 2. BRASS DUCT MARKERS ARE AVAILABLE FROM BERNTSEN INTERNATIONAL INC., P.O. BOX 8670, MADISON, WI. 53708-8670, PHONE: 1-877-959-8556, SURV-KAP, 3225 E. 47TH ST., TUCSON, AZ 85713, PHONE: (502)-622-6011, OR OTHER EQUIVALENT MANUFACTURERS.



DUCT MARKER DETAIL-PLAN

"NOT TO SCALE"



CABLE & DUCT MARKER NOTES:

THE COST OF ALL TURF AND PAVEMENT DUCT MARKERS SHALL BE INCIDENTAL TO THE DUCT. THE COST OF ALL CABLE MARKERS SHALL BE INCIDENTAL TO THE

UNDERGROUND ELECTRICAL DUCT

(NOT TO SCALE)

- BITUMINOUS PAVEMENT DUCT MARKER AND CONCRETE DUCT MARKER TO BE PROVIDED AT EACH END OF EACH DUCT AS SHOWN ON THE LOCATION PLAN. FOR CONCRETE PAVEMENT, THE LETTER "D" SHALL BE IMPRESSED IN THE PAVEMENT INSTEAD OF THE MARKER. THE LETTER SHALL BE INFORMED AS DESCRIBED IN NOTE 4.
- UNDERGROUND CABLE RUNS MUST BE IDENTIFIED BY CABLE MARKERS AT 200 FEET (61 M) MAXIMUM SPACING WITH AN ADDITIONAL MARKER AT EACH CHANGE OF DIRECTION OF THE CABLE RUN. CABLE MARKERS MUST BE INSTALLED ABOVE THE CABLE. CABLE MARKERS ARE NOT REQUIRED FOR CABLE RUNS BETWEEN RUNWAY/TAXIWAY EDGE LIGHTS.
- CONCRETE CABLE MARKERS AND DUCT MARKERS SHALL HAVE LETTERS 4" HIGH, 3" WIDE WITH WIDTH OF STROKE 1/2" AND 1/4" DEEP. ALL LETTERS, NUMBERS AND ARROWS TO BE IMPRESSED.
- EMPLOY THE FOLLOWING METHODS WHERE ADDITIONAL SPACE TO FIT THE LEGEND IS REQUIRED:
 - A. REDUCE LETTER SIZE TO 3" HIGH, 2" WIDE
 - B. INCREASE THE MARKER SIZE TO 30" X 30".
 - C. PROVIDE ADDITIONAL MARKERS PLACED SIDE BY SIDE
- TURF DUCT MARKERS ARE NOT REQUIRED AT PAVEMENT CROSSINGS WHERE DUCTS TERMINATE IN HANDHOLES, OR JUNCTION STRUCTURES.
- LOCATION OF ALL DIRECT EARTH BURIAL UNDERGROUND CABLE SPLICE/CONNECTIONS, EXCEPT THOSE AT ISOLATION TRANSFORMERS, MUST BE IDENTIFIED BY SPLICE MARKERS. SPLICE MARKERS MUST BE PLACED ABOVE THE SPLICE/CONNECTIONS. DIRECT EARTH BURIAL UNDERGROUND CABLE SPLICES SHALL BE AVOIDED WHERE POSSIBLE. CABLE SPLICES SHALL BE LOCATED IN SPLICE CANS, LIGHT BASES, HANDHOLES, MANHOLES, OR OTHER JUNCTION STRUCTURES UNLESS OTHERWISE APPROVED BY THE PROJECT ENGINEER OF RECORD
- THE CABLE AND SPLICE MARKERS MUST IDENTIFY THE CIRCUITS TO WHICH THE CABLES BELONG. FOR EXAMPLE: TWY A, TWY B.
- LOCATIONS OF ENDS OF ALL UNDERGROUND DUCTS MUST BE IDENTIFIED BY DUCT MARKERS

Offices Nationwide www.hanson-inc.com

Hanson Professional Services Inc. 1525 S. 6th Street Springfield, IL 62568 phone: 217-788-2450 fax: 217-788-2503

Illinois Licensed Professional Service Corporation #184-001084



ROCHELLE MUNICIPAL AIRPORT MAJOR THOMAS F. KORITZ FIELD

1201 West Gurler Road Rochelle, Illinois 61068 Telephone: 815.562.8619



CONSTRUCT 8-UNIT T-HANGAR AND PAVEMENT **SITEWORK**

IDA No: RPJ-5150 SBG No: 3-17-SBGP-TBD

NO.	DATE	DESCRIPTION				
NO.	DATE	DES	DWN	RE		
ISSUE:	MARCH	21, 20)25			

CAD FILE: E-502-DETL.DWG DESIGN BY: KNI 12/19/2024 DRAWN BY: KCB 12/30/2024 REVIEWED BY: KNL 1/2/2025

SHEET TITLE

CABLE AND DUCT MARKER DETAILS



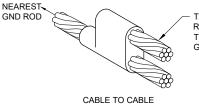


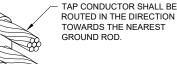
CABLE TO GROUND ROD

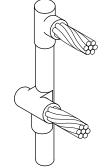


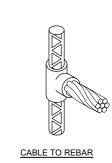
CABLE TO GROUND ROD











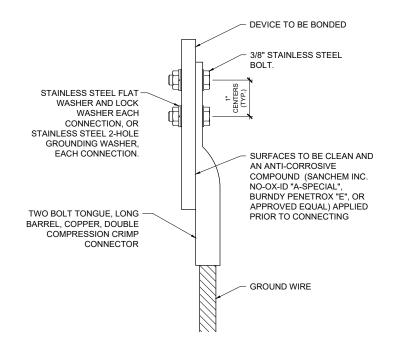
HORIZONTAL PARALLEL TAP

CABLES TO GROUND ROD

DETAIL NOTES

- 1. KNOWLEDGEABLE AND QUALIFIED PERSONNEL SHALL PERFORM EXOTHERMIC WELD CONNECTIONS TO ENSURE GOOD, SAFE, & RELIABLE CONNECTIONS. ALL BELOW GRADE CONNECTIONS TO GROUND RODS & GROUND RING CONDUCTORS SHALL BE EXOTHERMIC WELD TYPE CONNECTIONS. EXOTHERMIC WELDS SHALL BE CADWELD AS MANUFACTURED BY PENTAIR ERICO PRODUCTS. ULTRAWELD AS MANUFACTURED BY HARGER LIGHTNING PROTECTION & GROUNDING EQUIPMENT, OR THERMOWELD AS MANUFACTURED BY CONTINENTAL INDUSTRIES OR APPROVED EQUAL. VERIFY PROPER SIZES, MOLDS, TYPES, AND REQUIREMENTS FOR THE RESPECTIVE APPLICATION WITH THE MANUFACTURER, AND INSTALL PER THEIR DIRECTIONS.
- 2. INDIVIDUAL GROUNDING ELECTRODE CONDUCTORS SHALL NOT BE INSTALLED IN METAL CONDUIT. INSTALL GROUNDING ELECTRODE CONDUCTORS IN SCHED 80 PVC CONDUIT AS REQUIRED IN FOUNDATIONS, FOR PROTECTION, WHERE ENTERING ENCLOSURES, ETC. WHERE PLASTIC CONDUIT IS USED FOR INDIVIDUAL GROUND WIRES, DO NOT COMPLETELY ENCIRCLE THE CONDUIT WITH FERROUS AND/OR MAGNETIC MATERIALS. WHERE METAL CLAMPS ARE INSTALLED USE NYLON BOLTS, NUTS, WASHERS, & SPACERS TO INTERRUPT A COMPLETE METALLIC PATH FROM ENCIRCLING THE CONDUIT. THIS IS REQUIRED TO AVOID GIRDLING OF GROUND CONDUCTORS. GIRDLING OF A GROUND CONDUCTOR IS THE RESULT OF PLACING THE CONDUCTOR IN A RING OF MAGNETIC MATERIAL. THIS RING COULD BE A METALLIC CONDUIT, U-BOLT OR STRUT SUPPORT PIPE CLAMP, OR OTHER SUPPORT HARDWARE. THE RESULT OF GIRDLING GROUND CONDUCTORS SIGNIFICANTLY INCREASES THE INDUCTIVE IMPEDANCE OF THE GROUND CONDUCTOR. INDUCTIVE AND CAPACITIVE IMPEDANCE IS A TYPE OF RESISTANCE THAT OPPOSES THE FLOW OF ALTERNATING CURRENT. ANY INCREASE IN THE IMPEDANCE OF A GROUND CONDUCTOR REDUCES ITS ABILITY TO EFFECTIVELY MITIGATE RADIO FREQUENCY NOISE IN THE GROUND SYSTEM. THE CONDITION WHERE A GROUND CONDUCTOR IS GIRDLED DURING A LIGHTNING STRIKE RESULTS IN PHENOMENA KNOWN AS SURGE IMPEDANCE LOADING. SURGE IMPEDANCE LOADING IS A RESULT OF VOLTAGE AND CURRENT REACHING 500,000 VOLTS AND 10,000 AMPS FOR A SHORT DURATION. GIRDLING FURTHER INCREASES THE IMPEDANCE AT LIGHTNING FREQUENCIES OF 100 KILOHERTZ TO 100 MEGAHERTZ AT THESE POWER AND FREQUENCY LEVELS ANY INCREASE IN THE IMPEDANCE OF THE GROUND CONDUCTOR MUST BE CONTROLLED. DURING LIGHTNING DISCHARGE CONDITIONS A LOW INDUCTIVE IMPEDANCE PATH IS MORE IMPORTANT THAN A LOW DC RESISTANCE PATH.
- 3. ALL APPLICATIONS TO GALVANIZED STEEL OR PAINTED STEEL, SHALL REMOVE GALVANIZING AND/OR PAINT & CLEAN THE SURFACE TO EXPOSE BARE STEEL BEFORE MAKING EXOTHERMIC WELD CONNECTION

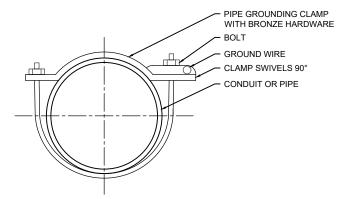
EXOTHERMIC WELD DETAILS

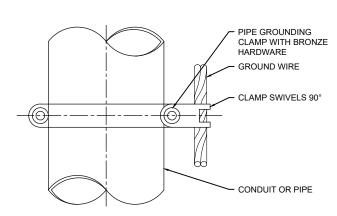


2 HOLE LONG BARREL COMPRESSION LUG TABLE (OR APPROVED EQUAL)								
WIRE SIZE	BURNDY CAT. NO.	THOMAS & BETTS CAT. NO.	PENN-UNION CAT. NO.					
#8 AWG STRANDED	YA8C-2TC38	256-30695-1157	BBLU-8D-2TC38					
#6 AWG SOLID	YA8C-2TC38 OR YGA6C-2TC38E2G1	(CONTACT MFR)	(CONTACT MFR)					
#6 AWG STRANDED	YA6C-2TC38	256-30695-1158	BBLU-6D-2TC38					
#4 AWG STRANDED	YA4C-2TC38	256-30695-1159	BBLU-4D-2TC38					
#2 AWG STRANDED	YA2C-2TC38	256-30695-1160	BBLU-2D-2TC38					
#2 AWG SOLID	YA3C-2TC38	256-30695-1160	BBLU-3D-2TC38					
#1/0 AWG STRANDED	YA25-2TC38	256-30695-1162	BBLU-1/0D-2TC38					
#2/0 AWG STRANDED	YA26-2TC38	256-30695-1116	BBLU-2/0D-2TC38					
#3/0 AWG STRANDED	YA27-2TC38	54816BE	BBLU-3/0D-2TC38					
#4/0 AWG STRANDED	YA28-2TC38	256-30695-1117	BBLU-4/0D-2TC38					

NOTES

- 1. IT IS IMPORTANT TO HAVE GOOD SECURE GROUND CONNECTIONS THAT WILL WITHSTAND WEATHER CONDITIONS AND MAINTAIN CONTINUITY TO GROUND. OFTEN WEATHER CONDITIONS CAN AFFECT GROUNDING CONNECTIONS THAT RESULT IN LOOSE CONNECTIONS AND UNSAFE CONDITIONS.
- SAFETY OF PERSONNEL IS THE PRIORITY. PROTECTION OF EQUIPMENT IS SECONDARY. PLEASE BE AWARE THAT GROUNDING DOES NOT GUARANTEE. YOU WILL NOT RECEIVE A SHOCK, BE INJURED, OR KILLED FROM DEFECTIVE OR DAMAGED EQUIPMENT OR MATERIALS. PROPER GROUNDING WILL HOWEVER SIGNIFICANTLY REDUCE THE POSSIBILITY OF SHOCK, INJURY, OR DEATH. PLEASE FOCUS ON SAFETY OF PERSONNEL AT ALL TIMES
- 3. THE GROUND WIRE CONNECTIONS TO EQUIPMENT LOCATED ABOVE GRADE, SHALL BE WITH 2 HOLE TONGUE LONG BARREL COMPRESSION LUGS BOLTED TO THE DEVICE WITH 3/8-INCH STAINLESS STEEL BOLTS, NUTS, AND WASHERS OR WITH THE RESPECTIVE EQUIPT MANUFACTURER'S LUG OR TERMINAL WHERE APPLICABLE. THIS ALSO APPLIES TO CONNECTIONS TO GROUND BUS
- 4. HARGER LIGHTING PROTECTION AND GROUNDING EQUIPMENT ALSO MANUFACTURERS TWO HOLE LONG BARREL COMPRESSION LUGS.
- EACH CONNECTION SHALL BE COATED WITH A CORROSION PREVENTATIVE COMPOUND (SANCHEM INC. NO-OX-ID "A-SPECIAL", BURNDY PENETROX E, OR APPROVED EQUAL) BEFORE JOINING. ALL COPPER BUS BARS SHALL BE CLEANED PRIOR TO MAKING CONNECTIONS TO REMOVE SURFACE OXIDATION CLEAN SURFACES, OF RESPECTIVE DEVICES TO BE BONDED, TO BARE METAL,





PIPE GROUNDING CLAMP TABLE (OR APPROVED EQUAL)							
BURNDY CAT. NO.							
GAR3902-BU	GAR3902-BU 3902BU						
GAR3903-BU	3903BU	1 1/4" - 2"					
GAR3904-BU	3904BU	2 1/2" - 3 1/2"					
GAR3905-BU	3905BU	4" - 5"					
GAR3906-BU	3906BU	6"					

NOTES

- EACH PIPE GROUNDING CLAMP SHALL HAVE BRONZE HARDWARE. BE CORROSION RESISTANT, SUITABLE FOR DIRECT BURIAL IN EARTH OR CONCRETE, & UL 467 LISTED.
- FOR APPLICATIONS SUBJECT TO ADDITIONAL CORROSION, PROVIDE PIPE GROUNDING CLAMPS WITH TINNED COATED BRONZE HARDWARE
- HARGER CPC AND APC SERIES PIPE GROUNDING CLAMPS PROPERLY SIZED FOR THE RESPECTIVE PIPE AND GROUND WIRE ARE ALSO ACCEPTABLE
- PENN-UNION TYPE "GPL" SERIES PIPE GROUNDING CLAMPS PROPERLY SIZED FOR THE RESPECTIVE PIPE AND GROUND WIRE ARE ALSO ACCEPTABLE.

PIPE/CONDUIT GROUNDING CLAMP DETAIL



www.hanson-inc.com

Hanson Professional Services Inc. 1525 S. 6th Street Springfield, IL 62568 phone: 217-788-2450 fax: 217-788-2503

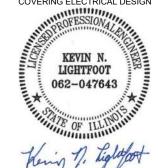
Illinois Licensed Professional Service Corporation #184-001084



ROCHELLE MUNICIPAL AIRPORT MAJOR THOMAS F. KORITZ FIELD

1201 West Gurler Road Rochelle, Illinois 61068 Telephone: 815.562.8619

COVERING ELECTRICAL DESIGN



CONSTRUCT 8-UNIT

T-HANGAR AND PAVEMENT

IDA No: RPJ-5150 SBG No: 3-17-SBGP-TBD

SITEWORK

NO. DATE DES DWN REV ISSUE: MARCH 21, 2025

PROJECT NO: 23A1041.00 CAD FILE: E-503-DETL.DWG

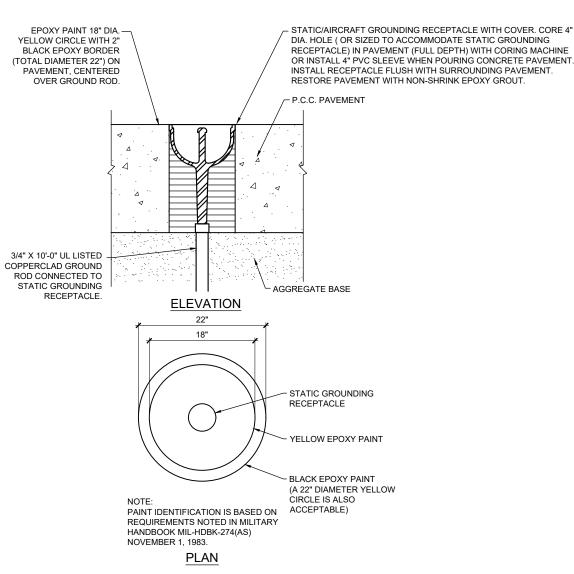
DESIGN BY: KNI 12/14/2024 DRAWN BY: KCB 12/30/2024 REVIEWED BY: KNL 1/2/2025

SHEET TITLE

GROUNDING DETAILS - SHEET 1

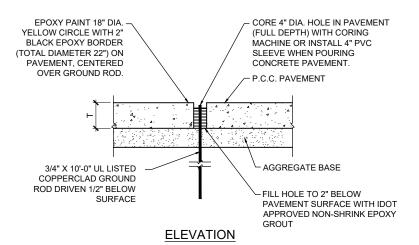
GROUNDING LUG CONNECTION DETAIL

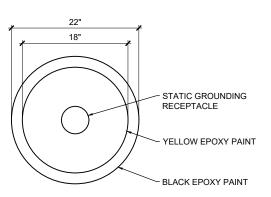
BID DOCUMENTS



NOTES:

- GROUND RECEPTACLES SHALL BE INSTALLED IN EACH HANGAR BAY FOR REMOVAL AND CONTROL OF STATIC ELECTRICAL ACCUMULATIONS ON AIRCRAFT WHILE AIRCRAFT ARE STORED OR ARE UNDERGOING SERVICING IN A HANGAR PER THE REQUIREMENTS OF NFPA 409. PROVIDE ONE STATIC GROUNDING RECEPTACLE FOR EACH HANGAR BAY.
- STATIC GROUNDING RECEPTACLES SHALL CONFORM TO THE REQUIREMENTS OF NFPA 409 AS DETAILED ABOVE OR AS MANUFACTURED BY ERICO/ERITECH PART NO. B165 LPC680, HARGER LIGHTING PROTECTION GROUNDING EQUIPMENT PART NO. 350-6T, ROBBINS LIGHTNING INC. CAT. NO. 680, THOMPSON LIGHTNING PROTECTION CAT. NO. 632-6DT, OR APPROVED EQUAL. COORDINATE SELECTION OF GROUND ROD TO BE COMPATIBLE WITH STATIC GROUND RECEPTACLE.
- COORDINATE INTERIOR STATIC GROUNDING RECEPTACLE LOCATIONS, WITH PROPOSED AIRCRAFT PARKING LOCATIONS, JOINTING PLAN, & CONCRETE
- WHERE ONE INTERIOR STATIC GROUND RECEPTACLE IS INSTALLED IN A HANGAR BAY IT IS NOT REQUIRED TO BE CONNECTED TO THE BUILDING OR ELECTRIC SERVICE GROUNDS. WHERE MORE THAN ONE STATIC GROUNDING RECEPTACLE IS INSTALLED IN THE SAME HANGAR BAY THEY SHALL BE BONDED TOGETHER WITH A MINIMUM #6 AWG COPPER CONDUCTOR TO REDUCE POTENTIAL DIFFERENCES AND BONDED TO THE BUILDING STRUCTURAL STEEL. MULTIPLE STATIC GROUNDING RECEPTACLES ARE NOT REQUIRED IN INDIVIDUAL T-HANGAR BAYS SIZED TO HOUSE ONE AIRCRAFT.
- STEEL USED TO MANUFACTURER GROUND RODS SHALL BE 100 PERCENT DOMESTIC STEEL. INCLUDE CERTIFICATION OF 100 PERCENT DOMESTIC STEEL FOR GROUND RODS WITH SHOP DRAWING SUBMITTAL.





PAINT IDENTIFICATION IS BASED ON REQUIREMENTS NOTED IN MILITARY HANDBOOK MIL-HDBK-274(AS) NOVEMBER 1, 1983

PLAN

- GROUND RECEPTACLES SHALL BE INSTALLED IN EACH HANGAR BAY FOR REMOVAL AND CONTROL OF STATIC ELECTRICAL ACCUMULATIONS ON AIRCRAFT WHILE AIRCRAFT ARE STORED OR ARE UNDERGOING SERVICING IN A HANGAR PER THE REQUIREMENTS OF NFPA 409. PROVIDE ONE STATIC GROUNDING RECEPTACLE FOR EACH HANGAR
- COORDINATE INTERIOR STATIC GROUNDING RECEPTACLE LOCATIONS, WITH PROPOSED AIRCRAFT PARKING LOCATIONS, JOINTING PLAN, &
- WHERE ONE INTERIOR STATIC GROUND RECEPTACLE IS INSTALLED IN A HANGAR BAY IT IS NOT REQUIRED TO BE CONNECTED TO THE BUILDING OR ELECTRIC SERVICE GROUNDS. WHERE MORE THAN ONE STATIC GROUNDING RECEPTACLE IS INSTALLED IN THE SAME HANGAR BAY THEY SHALL BE BONDED TOGETHER WITH A MINIMUM #6 AWG COPPER CONDUCTOR TO REDUCE POTENTIAL DIFFERENCES AND BONDED TO THE BUILDING STRUCTURAL STEEL. MULTIPLE STATIC GROUNDING RECEPTACLES ARE NOT REQUIRED IN INDIVIDUAL T-HANGAR BAYS SIZED TO HOUSE ONE AIRCRAFT.
- STEEL USED TO MANUFACTURER GROUND RODS SHALL BE 100 PERCENT DOMESTIC STEEL. INCLUDE CERTIFICATION OF 100 PERCENT DOMESTIC STEEL FOR GROUND RODS WITH SHOP DRAWING SUBMITTAL

INTERIOR STATIC GROUNDING RECEPTACLE DETAIL 2



Hanson Professional Services Inc. 1525 S. 6th Street Springfield, IL 62568 phone: 217-788-2450 fax: 217-788-2503

Illinois Licensed Professional Service Corporation #184-001084



ROCHELLE MUNICIPAL AIRPORT MAJOR THOMAS F. KORITZ FIELD

1201 West Gurler Road

Rochelle, Illinois 61068 Telephone: 815.562.8619



CONSTRUCT 8-UNIT T-HANGAR AND PAVEMENT **SITEWORK**

IDA No: RPJ-5150 SBG No: 3-17-SBGP-TBD

NO.	DATE	DES	CRIPT	ION
NO.	DATE	DES	DWN	REV
SSUE:	MARCH	21, 20)25	
ROJEC	CT NO: 2	3A104	1.00	

CAD FILE: E-505-DETL.DWG DESIGN BY: KNI 12/19/2024 DRAWN BY: KCB 12/30/2024 REVIEWED BY: KNL 1/2/2025

SHEET TITLE

GROUNDING DETAILS - SHEET 2

Offices Nationwide www.hanson-inc.com

Hanson Professional Services Inc. 1525 S. 6th Street Springfield, IL 62568 phone: 217-788-2450 fax: 217-788-2503

Illinois Licensed Professional Service Corporation #184-001084



ROCHELLE MUNICIPAL AIRPORT MAJOR THOMAS F. KORITZ FIELD

1201 West Gurler Road Rochelle, Illinois 61068 Telephone: 815.562.8619

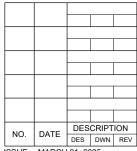
COVERING ELECTRICAL DESIGN



DATE LICENSE SIGNED: 3/21/2025 EXPIRES: 11/30,

CONSTRUCT 8-UNIT T-HANGAR AND PAVEMENT SITEWORK

IDA No: RPJ-5150 SBG No: 3-17-SBGP-TBD



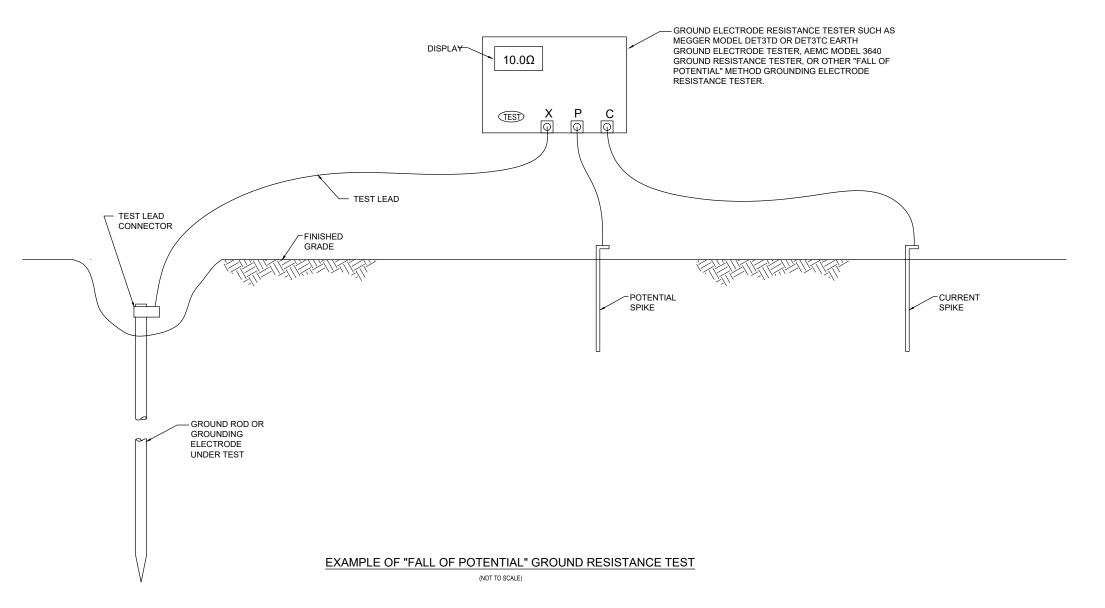
ISSUE: MARCH 21, 2025 PROJECT NO: 23A1041.00

CAD FILE: E-504-DETL.DWG DESIGN BY: KNL 12/19/2024 DRAWN BY: KCB 12/11/2024

REVIEWED BY: KNL 1/2/2025

SHEET TITLE

GROUND RESISTANCE TESTING DETAILS



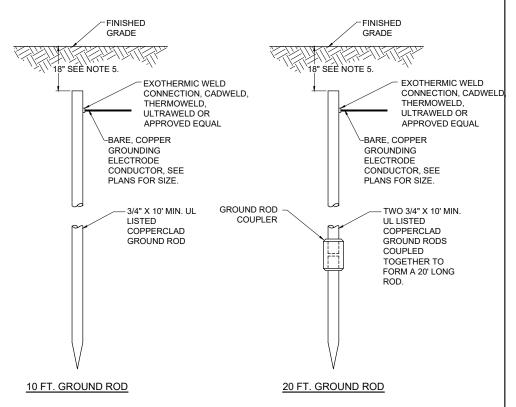
NOTES:

- 1. CONTRACTOR SHALL TEST AND RECORD THE RESISTANCE FOR EACH MADE ELECTRODE GROUND ROD/GROUND FIELD/GROUND RING WITH AN INSTRUMENT SPECIFICALLY DESIGNED FOR TESTING GROUNDING ELECTRODE SYSTEMS. IF GROUND RESISTANCE EXCEEDS 25 OHMS, CONTACT THE PROJECT ENGINEER OF RECORD; KEVIN LIGHTFOOT FOR FURTHER DIRECTION. COPIES OF GROUND ROD TEST RESULTS SHALL BE FURNISHED TO THE THE PROJECT ENGINEER OF RECORD.
- GROUND RESISTANCE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH THE RESPECTIVE GROUND ELECTRODE RESISTANCE TESTING EQUIPMENT MANUFACTURER'S INSTRUCTIONS.
- . RECORD SITE CONDITIONS DURING TESTS.
- 4. "FALL OF POTENTIAL" TYPE GROUND ELECTRODE RESISTANCE TESTER IS RECOMMENDED FOR TESTING INDIVIDUAL STAND ALONE GROUND RODS.

- 1. FURNISH AND INSTALL GROUND RODS AS DETAILED HEREIN. GROUND RODS FOR ELECTRIC SERVICE TO THE HANGAR, TERMINAL BUILDING AND FOR CONNECTIONS TO BUILDING STRUCTURAL STEEL SHALL BE MINIMUM 3/4-IN. DIAMETER BY 10-FT LONG, UL-LISTED COPPER CLAD WITH 10-MIL MINIMUM COPPER COATING. GROUND RODS FOR OTHER APPLICATIONS SHALL BE MINIMUM 3/4-IN. DIAMETER BY 10-FT LONG, UL-LISTED, COPPER CLAD WITH 10-MIL MINIMUM COPPER COATING. WHERE NECESSARY TO MEET GROUND RESISTANCE REQUIREMENTS, LONGER GROUND RODS OR ADDITIONAL GROUND RODS MAY BE REQUIRED. GROUND RODS SHALL BE SPACED OR AS DETAILED ON THE RESPECTIVE PLANS, AND IN NO CASE SPACED LESS THAN ONE ROD LENGTH APART. ALL CONNECTIONS TO GROUND RODS AND THE GROUND RING SHALL BE MADE WITH EXOTHERMIC WELD TYPE CONNECTORS, CADWELD BY PENTAIR ERICO PRODUCTS, INC., THERMOWELD BY CONTINENTAL INDUSTRIES, INC., ULTRAWELD BY HARGER, OR APPROVED EQUAL. EXOTHERMIC WELD CONNECTIONS SHALL BE INSTALLED IN CONFORMANCE WITH THE RESPECTIVE MANUFACTURER'S DIRECTIONS USING MOLDS AS REQUIRED FOR EACH RESPECTIVE APPLICATION. BOLTED CONNECTIONS WILL NOT BE PERMITTED AT GROUND RODS OR AT BURIED GROUNDING ELECTRODE CONDUCTORS.
- 2. CONTRACTOR SHALL TEST EACH MADE ELECTRODE GROUND ROD/GROUND FIELD/GROUND RING WITH AN INSTRUMENT SPECIFICALLY DESIGNED FOR TESTING GROUND FIELD SYSTEMS. IF GROUND RESISTANCE EXCEEDS 25 OHMS, CONTACT THE PROJECT ENGINEER FOR FURTHER DIRECTION. ALSO REFER TO EOR-47643 FOR ADDITIONAL INFORMATION ON GROUNDING REQUIREMENTS WHERE APPLICABLE. COPIES OF GROUND ROD TEST RESULTS SHALL BE FURNISHED TO THE PROJECT ENGINEER.
- 3. ALL PRODUCTS ASSOCIATED WITH THE GROUNDING SYSTEM SHALL BE UL-LISTED AND LABELED.
- 4. ALL BOLTED OR MECHANICAL CONNECTIONS SHALL BE COATED WITH A CORROSION PREVENTATIVE COMPOUND BEFORE JOINING, SANCHEM INC. "NO-OX-ID "A-SPECIAL" COMPOUND, BURNDY PENETROX E, OR EQUAL.
- METALLIC SURFACES TO BE JOINED SHALL BE PREPARED BY THE REMOVAL OF ALL NON-CONDUCTIVE MATERIAL, PER 2023 NATIONAL ELECTRICAL CODE ARTICLE 250-12. ALL COPPER BUS BARS MUST BE CLEANED PRIOR TO MAKING CONNECTIONS TO REMOVE SURFACE OXIDATION.
- 6. METALLIC RACEWAY FITTINGS SHALL BE MADE UP TIGHT TO PROVIDE A PERMANENT LOW IMPEDANCE PATH FOR ALL CIRCUITS. METAL CONDUIT TERMINATIONS IN ENCLOSURES SHALL BE BONDED TO THE ENCLOSURE WITH UL-LISTED FITTINGS SUITABLE FOR GROUNDING. PROVIDE GROUNDING BUSHINGS WITH BONDING JUMPERS FOR ALL METAL CONDUITS ENTERING SERVICE EQUIPMENT (METER BASE, CT CABINET, MAIN SERVICE BREAKER ENCLOSURE, ETC.). PROVIDE GROUNDING BUSHINGS WITH BONDING JUMPERS FOR ALL METAL CONDUITS ENTERING AN ENCLOSURE THROUGH CONCENTRIC OR ECCENTRIC KNOCKOUTS THAT ARE PUNCHED OR OTHERWISE FORMED SO AS TO IMPAIR THE ELECTRICAL CONNECTION TO GROUND. STANDARD LOCKNUTS OR BUSHINGS SHALL NOT BE THE SOLE MEANS FOR BONDING WHERE A CONDUIT ENTERS AN ENCLOSURE THROUGH A CONCENTRIC OR ECCENTRIC KNOCKOUT
- 7. ALL CONNECTIONS, LOCATED ABOVE GRADE, BETWEEN THE DIFFERENT TYPES OF GROUNDING CONDUCTORS SHALL BE MADE USING UL-LISTED DOUBLE COMPRESSION CRIMP TYPE CONNECTORS OR UL-LISTED BOLTED GROUND CONNECTORS. FOR GROUND CONNECTIONS TO ENCLOSURES, CASES AND FRAMES OF ELECTRICAL EQUIPMENT NOT SUPPLIED WITH GROUND LUGS THE CONTRACTOR SHALL DRILL REQUIRED HOLES FOR MOUNTING A BOLTED GROUND CONNECTOR. ALL BOLTED GROUND CONNECTORS SHALL BE BURNDY, THOMAS AND BETTS, OR EQUAL. TIGHTEN CONNECTIONS TO COMPLY WITH TIGHTENING TORQUES IN UL STANDARD 486A TO ASSURE PERMANENT AND EFFECTIVE GROUNDING.
- 8. ALL METAL EQUIPMENT ENCLOSURES, CONDUITS, CABINETS, BOXES, RECEPTACLES, MOTORS, ETC. SHALL BE BONDED TO THE RESPECTIVE GROUNDING SYSTEM.
- PROVIDE ALL BOXES FOR PROPOSED OUTLETS, SWITCHES, CIRCUIT BREAKERS, ETC.
 WITH GROUNDING SCREWS. PROVIDE ALL PANELBOARD, SWITCHGEAR, ETC.,
 ENCLOSURES WITH GROUNDING BARS WITH INDIVIDUAL SCREWS, LUGS, CLAMPS, ETC.,
 FOR EACH OF THE GROUNDING CONDUCTORS THAT ENTER THEIR RESPECTIVE
 ENCLOSURES.
- 10. EACH NEW FEEDER CIRCUIT AND/OR BRANCH CIRCUIT SHALL INCLUDE AN EQUIPMENT GROUND WIRE. METAL RACEWAY OR CONDUIT SHALL NOT MEET THIS REQUIREMENT. THE EQUIPMENT GROUND WIRE FROM EQUIPMENT SHALL NOT BE SMALLER THAN ALLOWED BY 2023 NEC TABLE 250-122 "MINIMUM SIZE CONDUCTORS OR GROUNDING RACEWAY AND EQUIPMENT." WHEN CONDUCTORS ARE ADJUSTED IN SIZE TO COMPENSATE FOR VOLTAGE DROP, EQUIPMENT-GROUNDING CONDUCTORS SHALL BE ADJUSTED PROPORTIONATELY ACCORDING TO CIRCULAR MIL AREA. ALL EQUIPMENT GROUND WIRES SHALL BE COPPER, EITHER BARE OR INSULATED GREEN IN COLOR. WHERE THE EQUIPMENT GROUNDING CONDUCTORS ARE INSULATED, THEY SHALL BE IDENTIFIED BY THE COLOR GREEN, AND SHALL BE THE SAME INSULATION TYPE AS THE PHASE CONDUCTORS.

- 11. ALL EXTERIOR METAL CONDUIT, WHERE NOT ELECTRICALLY CONTINUOUS BECAUSE OF MANHOLES, HANDHOLES, NON-METALLIC JUNCTION BOXES, ETC., SHALL BE BONDED TO ALL OTHER METAL CONDUIT IN THE RESPECTIVE DUCT RUN, AND AT EACH END, WITH A COPPER-BONDING JUMPER SIZED IN CONFORMANCE WITH 2023 NEC 250-102. WHERE METAL CONDUITS TERMINATE IN AN ENCLOSURE (SUCH AS A MOTOR CONTROL CENTER, SWITCHBOARD, ETC) WHERE THERE IS NOT ELECTRICAL CONTINUITY WITH THE CONDUIT AND THE RESPECTIVE ENCLOSURE, PROVIDE A BONDING JUMPER FROM THE RESPECTIVE ENCLOSURE GROUND BUS TO THE CONDUIT SIZED PER 2023 NEC 250-102.
- 12. IT IS THE INTENT OF THIS SPECIFICATION THAT ALL MOTOR FRAMES, PUMP BASES ELECTRICAL EQUIPMENT ENCLOSURES, PANEL HOUSINGS, CONDUITS, BOXES, ETC. HAVE A CONTINUOUS COPPER WIRE GROUND CONNECTION AND SHALL BE POSITIVELY BONDED TO THE RESPECTIVE GROUNDING SYSTEM. CONDUIT CONNECTORS WILL NOT BE CONSIDERED AS ADEQUATE GROUNDING.
- 13. PROVIDE A POSITIVE GROUND BOND FOR ALL OUTLET BOXES, ELECTRICAL EQUIPMENT ENCLOSURES, GROUNDING RECEPTACLES, TOGGLE SWITCHES, ETC. INSTALL A GROUNDING CONDUCTOR IN ALL WIRE AND CABLE RACEWAYS. GROUND CONDUCTOR TO HAVE 600-VOLT INSULATION AND BE IDENTIFIED BY A CONTINUOUS GREEN COLOR COATING. THEY SHALL BE USED SOLELY FOR GROUNDING PURPOSES AND BE ENTIRELY SEPARATE FROM WHITE GROUNDED NEUTRAL CONDUCTOR, EXCEPT AT SUPPLY SIDE OF SERVICE DISCONNECTING MEANS, WHERE GROUNDING AND NEUTRAL SYSTEMS ARE TO BE CONNECTED TO SERVICE GROUND.
- 14. EACH AND ALL GROUNDED CASED AND METAL PARTS ASSOCIATED WITH ELECTRICAL EQUIPMENT SHALL BE TESTED FOR CONTINUITY OF CONNECTION WITH GROUND BUS SYSTEM BY CONTRACTOR IN PRESENCE OF OWNER'S REPRESENTATIVE.
- 15. ALL CONNECTIONS BETWEEN THE DIFFERENT TYPES OF GROUNDING CONDUCTORS ABOVE GRADE SHALL BE MADE USING BOLTED GROUND CONNECTORS. GROUND LUGS SHALL BE PROVIDED IN ALL ENCLOSURES AND WIRING TERMINATION JUNCTION BOXES. EQUIPMENT GROUNDS AND GROUNDING CONDUCTOR SHALL BE CONNECTED TO THESE GROUND LUGS. FOR GROUND CONNECTIONS TO ENCLOSURES, CASES AND FRAMES OF ELECTRICAL EQUIPMENT NOT SUPPLIED WITH GROUND LUGS THE CONTRACTOR SHALL DRILL REQUIRED HOLES FOR MOUNTING A BOLTED GROUND CONNECTOR. ALL BOLTED GROUND CONNECTORS SHALL BE BURNDY, OR EQUAL.
- 16. BOND ALL NONCURRENT-CARRYING PARTS OF METAL EQUIPMENT TO GROUND SYSTEM.
- 17. BUILDING STRUCTURAL STEEL SYSTEM SHALL BE BONDED TO ELECTRICAL GROUND SYSTEM. IN ACCORDANCE WITH 2023 NEC 250.104 "BONDING OF PIPING SYSTEMS AND EXPOSED STRUCTURAL METAL" PART (C) "STRUCTURAL METAL".
- 18. INSTALL GROUNDING ELECTRODE CONDUCTORS, LIGHTNING PROTECTION DOWN CONDUCTORS AND SEPARATE GROUND CONDUCTORS IN SCHEDULE 80 PVC CONDUIT OR EXPOSED WHERE ACCEPTABLE TO LOCAL CODES. WHERE GROUNDING ELECTRODE CONDUCTORS, LIGHTNING PROTECTION DOWN CONDUCTORS OR INDIVIDUAL GROUND CONDUCTORS ARE RUN IN PVC CONDUIT, DO NOT COMPLETELY ENCIRCLE CONDUIT WITH FERROUS AND/OR MAGNETIC MATERIALS. USE NON-METALLIC REINFORCED FIBERGLASS STRUT SUPPORT. WHERE METAL CONDUIT CLAMPS ARE INSTALLED, USE NYLON BOLTS, NUTS, WASHERS AND SPACERS TO INTERRUPT A COMPLETE METALLIC PATH FROM ENCIRCLING THE CONDUIT. THIS IS REQUIRED TO AVOID GIRDLING OF GROUND CONDUICTORS
- 19. IF LOCAL CODES DICTATE THAT INDIVIDUAL GROUNDING CONDUCTORS MUST BE RUN IN METAL CONDUIT OR RACEWAY, THEN THE CONDUIT OR RACEWAY MUST BE BONDED AT EACH END OF THE RUN WITH A BONDING JUMPER SIZED EQUAL TO THE INDIVIDUAL GROUNDING CONDUCTOR OR AS REQUIRED BY 2023 NEC 250-102 AND/OR 2020 NEC 250.64(E). NOTE THIS DOES NOT APPLY TO AC EQUIPMENT GROUNDING CONDUCTORS RUN WITH AC CIRCUITS. CONFIRM REQUIREMENTS WITH AUTHORITY HAVING
- GROUNDING WORK AFFECTING OPERATIONS AT A FACILITY SHALL BE COORDINATED WITH THE OWNER'S DESIGNATED REPRESENTATIVE(S) AND TO MINIMIZE DOWNTIME TO EXISTING SYSTEMS. THE RESPECTIVE PERSONNEL SHALL COORDINATE WORK AND ANY POWER OUTAGES WITH THE OWNER'S DESIGNATED REPRESENTATIVE(S), ANY SHUTDOWN OF EXISTING SYSTEMS SHALL BE SCHEDULED WITH AND APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO SHUT DOWN. ALL POWER SYSTEMS (AC OR DC) SHALL HAVE PROVISIONS TO LOCKOUT AND TAGOUT ANY CIRCUIT TO HELP ENSURE THE CIRCUIT IS SAFE TO WORK ON FOR PROTECTION OF PERSONNEL. ONCE SHUT DOWN, THE CIRCUITS SHALL BE LABELED AS SUCH TO PREVENT ACCIDENTAL ENERGIZING OF THE RESPECTIVE CIRCUITS. ALL PERSONNEL SHALL FOLLOW U.S. DEPARTMENT OF LABOR OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION (OSHA) 29 CFR PART 1910 OCCUPATIONAL SAFETY AND HEALTH STANDARDS FOR ELECTRICAL SAFETY AND LOCKOUT/TAGOUT PROCEDURES INCLUDING, BUT NOT LIMITED TO, 29 CFR SECTION 1910.147 THE CONTROL OF HAZARDOUS ENERGY (LOCKOUT/TAGOUT). WHERE A FACILITY DOES NOT HAVE LOCKOUT/TAGOUT KITS THE RESPECTIVE PERSONNEL SHALL PROVIDE ADEQUATE QUANTITIES OF LOCKOUT/TAGOUT KITS SUITABLE FOR USE WITH THE RESPECTIVE EQUIPMENT. WHERE EXISTING ELECTRICAL EQUIPMENT DOES NOT HAVE FEATURES FOR LOCKOUT/TAGOUT THE RESPECTIVE PERSONNEL WILL BE RESPONSIBLE FOR PROVIDING THE APPROPRIATE LOCKOUT/TAGOUT EQUIPMENT AND MEASURES TO COMPLY WITH OSHA LOCKOUT/TAGOUT REQUIREMENTS. ALL PADLOCKS FOR USE WITH LOCKOUT/TAGOUT PROCEDURES SHALL HAVE A DIFFERENT KEY. PROVIDE LOCKOUT HASPS TO ACCOMMODATE MULTIPLE PADLOCKS WHERE MULTIPLE PEOPLE ARE WORKING ON THE SAME SYSTEM. INCLUDE LOCKOUT TAGS FOR EACH PIECE OF EQUIPMENT REQUIRING SERVICING AND SHUTDOWN. COMPLIANCE WITH LOCKOUT/TAGOUT PROCEDURES AND ALL OTHER SAFETY PROCEDURES AND REQUIREMENTS ARE THE RESPONSIBILITY OF THE RESPECTIVE PERSONNEL WORKING AT THE FACILITY.

- 21. NEVER REMOVE, ALTER, OR ATTEMPT TO REPAIR CONDUCTORS OR CONDUIT SYSTEMS PROVIDING GROUNDING OR ELECTRICAL BONDING FOR ANY ELECTRICAL EQUIPMENT UNTIL ALL POWER IS REMOVED FROM EQUIPMENT. WARN ALL PERSONNEL OF THE UNGROUNDED CONDITION OF THE EQUIPMENT. DISPLAY APPROPRIATE WARNING SIGNS, SUCH AS DANGER TAGS, TO WARN PERSONNEL OF THE POSSIBLE HAZARDS.
- 22. GROUNDING WORK AND MODIFICATIONS SHALL NOT BE PERFORMED DURING A THUNDERSTORM OR WHEN A THUNDERSTORM IS PREDICTED IN THE AREA.
- 3. PER NFPA 70E STANDARD FOR ELECTRICAL SAFETY IN THE WORKPLACE IT DEFINES ELECTRICALLY SAFE WORK CONDITION AS "A STATE IN WHICH AN ELECTRICAL CONDUCTOR OR CIRCUIT PART HAS BEEN DISCONNECTED FROM ENERGIZED PARTS, LOCKED/TAGGED IN ACCORDANCE WITH ESTABLISHED STANDARDS, TESTED TO VERIFY THE ABSENCE OF VOLTAGE, AND, IF NECESSARY, TEMPORARILY GROUNDED FOR PERSONNEL PROTECTION." PRIOR TO CONDUCTING TESTS OR WORKING ON EQUIPMENT, VERIFY EQUIPMENT ENCLOSURES AND FRAMES HAVE A GOOD AND SECURE GROUND CONNECTION. FAILURE TO PROPERLY GROUND THIS EQUIPMENT PRESENTS A DANGEROUS HAZARD FOR PERSONNEL WORKING ON THIS SYSTEM.
- 24. WHERE A CONFLICT IS DETERMINED WITH RESPECT TO GROUNDING REQUIREMENTS PER MANUFACTURER INSTALLATION INSTRUCTIONS, NEC, AND/OR THE CONTRACT DOCUMENTS, CONTACT THE PROJECT ENGINEER OF RECORD; KEVIN LIGHTFOOT FOR FURTHER DIRECTIONS.
- 25. GROUND RODS SHALL BE MANUFACTURED IN THE UNITED STATES OF AMERICA FROM 100 PERCENT DOMESTIC STEEL TO COMPLY WITH THE AIRPORT IMPROVEMENT PROGRAM BUY AMERICAN REQUIREMENTS, AND THE STEEL PRODUCTS PROCUREMENT ACT.



NOTES

- TYPE AND MINIMUM NUMBER OF GROUND RODS SHALL BE AS SPECIFIED ON THE PLAN.
- THE RESISTANCE TO GROUND OF THE GROUNDING SYSTEM SHALL NOT EXCEED 25 OHMS.
- 3. COST OF GROUND RODS IS INCIDENTAL TO THE ASSOCIATED ITEMS REQUIRING GROUNDING UNLESS OTHERWISE SPECIFIED.
- GROUND RODS SHALL BE SPACED AS DETAILED ON THE PLANS AND SHALL NOT BE SPACED LESS THAN ONE ROD LENGTH APART.
- 5. TOP OF GROUND RODS SHALL BE 18" MINIMUM BELOW GRADE UNLESS DETAILED OTHERWISE HEREIN.

HANSON Engineering | Planning | Allied Service

Offices Nationwide

Hanson Professional Services Inc. 1525 S. 6th Street Springfield, IL 62568 phone: 217-788-2450 fax: 217-788-2503

Illinois Licensed Professional Service Corporation #184-001084



ROCHELLE MUNICIPAL AIRPORT MAJOR THOMAS F. KORITZ FIELD 1201 West Gurler Road

1201 West Gurler Road Rochelle, Illinois 61068 Telephone: 815.562.8619



SIGNED: 3/21/2025 EXPIRES: 11/30/2025

CONSTRUCT 8-UNIT
T-HANGAR AND PAVEMENT

IDA No: RPJ-5150 SBG No: 3-17-SBGP-TBD

SITEWORK

NO. DATE DESCRIPTION
DES DWN REV

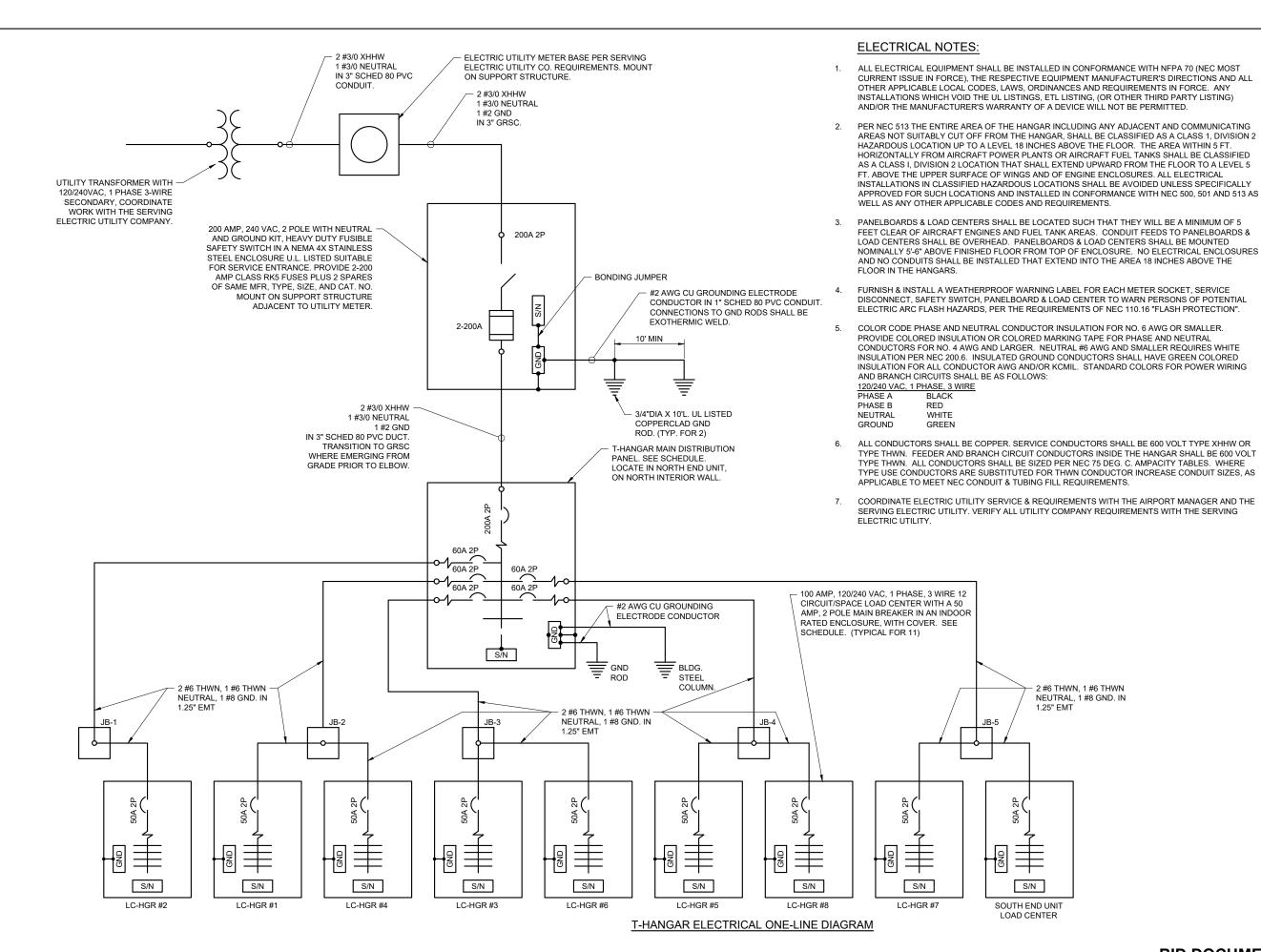
ISSUE: MARCH 21, 2025
PROJECT NO: 2341041 00

PROJECT NO: 23A1041.00
CAD FILE: E-003-NOTES.DWG
DESIGN BY: KNL 12/19/2024
DRAWN BY: KCB 12/30/2024

REVIEWED BY: KNL 1/2/2025

SHEET TITLE

GROUNDING NOTES





Offices Nationwide www.hanson-inc.com

Hanson Professional Services Inc. 1525 S. 6th Street Springfield, II. 62568 phone: 217-788-2450 fax: 217-788-2503

Illinois Licensed Professional Service Corporation #184-001084



ROCHELLE MUNICIPAL AIRPORT MAJOR THOMAS F. KORITZ FIELD 1201 West Gurler Road

1201 West Gurler Road Rochelle, Illinois 61068 Telephone: 815.562.8619

COVERING ELECTRICAL DESIGN

ROFESSION

KEVIN N.

LIGHTFOOT

062-047643

DATE BIGNED: 3/21/2025 EXPIRES: 11/30/20

CONSTRUCT 8-UNIT T-HANGAR AND PAVEMENT SITEWORK

IDA No: RPJ-5150 SBG No: 3-17-SBGP-TBD

NO. DATE DESCRIPTION
DES DWN REV
ISSUE: MARCH 21, 2025
PROJECT NO: 23A1041.00
CAD FILE: E-601.DWG

DESIGN BY: KNL 12/19/2024 DRAWN BY: KCB 12/30/2024

REVIEWED BY: KNL 1/2/2025

SHEET TITLE

ELECTRICAL ONE-LINE DIAGRAM

225 AMP, 120/240 VAC, 1 PHASE, 3 WIRE, 30 CIRCUIT PANELBOARD WITH A 200 AMP, 2 POLE MAIN BREAKER RATED 22,000 AIC AT 120/240 VAC IN A NEMA 1 ENCLOSURE, UL LISTED SUITABLE FOR SERVICE ENTRANCE; SQUARE D CLASS 1640, NQ SERIES, EATON CUTLER-HAMMER POW-R-LINE 1a SERIES, OR APPROVED EQUAL, INCLUDE COPPER EQUIPT GROUND BARS. BRANCH BREAKERS SHALL BE BOLT-ON TYPE WITH 10,000 AIC AT 120/240 VAC AND SHALL HAVE 2-TIER SERIES RATING OF 22,000 AIC AT 120/240 VAC WHEN PROTECTED BY AN UPSTREAM BREAKER THAT HAS 22,000 AIC AT 120/240 VAC. PANELBOARD BUS SHALL BE COPPER. NEUTRAL BUS SHALL BE COPPER.

NOTE

- 1. PANELBOARD SHALL BE INSTALLED ON THE NORTH INTERIOR WALL OF NORTH END UNIT. TOP OF PANELBOARD ENCLOSURE SHALL BE 5'-6" NOMINALLY ABOVE FINISHED FLOOR. BOTTOM OF PANEL ENCLOSURE AND CONDUITS TO OR FROM THE PANEL ENCLOSURE, SHALL NOT EXTEND INTO THE AREA 18" ABOVE THE HANGAR FLOOR TO COMPLY WITH NEC 513. CONDUIT FROM METER BASE TO PANELBOARD SHALL BE GALVANIZED RIGID STEEL TO COMPLY WITH NEC 513.
- 2. INCLUDE PHENOLIC ENGRAVED LEGEND PLATE LABELED "T-HANGAR SERVICE AND DISTRIBUTION PANEL, 120/240 VAC, 1 PH, 3W".
- 3. DO NOT SUBSTITUTE A LOAD CENTER FOR A PANELBOARD.
- 4. INCLUDE WITH THE PANELBOARD A U.L. LISTED PER U.L. 1449, AC SURGE PROCTOR SUTABLE FOR 120/240 VAC, 1 PH 3W PLUS GROUND SYSTEM, WITH SURGE CURRENT RATING OF 40KA (MIN.) 8x20 MICROSECOND WAVE, AND STATUS INDICATION LIGHTS, JOSLYN MODEL 1265-21, SQUARE D CAT. NO TVS120XR50S OR APPROVED EQUAL. INSTALL THE CIRCUIT BREAKER FOR THE SURGE PROTECTOR DEVICE AS CLOSE AS POSSIBLE TO THE PANELBOARD MAIN BREAKER OR MAIN LUGS. MAINTAIN LEADS AS SHORT & AS STRAIGHT AS POSSIBLE,

		LIGHTING FIXTU	IRE SCH	IEDU	LE	
FIXT.		MANUFACTURER & CATALOG NO.	LAMPS/ WATTS	VOLTS	MOUNTING	REMARKS
F1	LED HIGH BAY FIXTURE HEAVY DUTY DIE CAST ALUMINUM HOUSING, DESIGNED FOR HEAT DISSIPATION AND CORROSION RESISTANCE. INCLUDE LENS (NO EXPOSED LAMPS). HOUSING AND OPTICS SHALL MAINTAIN 1P65 OR BETTER RATING. LIGHT FIXTURES SHALL PROVIDE 18,000 LUMENS.	LUMECON: LHB-130-AC-PC-1-NW-JP. HOLOPHANE: PHZ-18000LM-WD-MVOLT- 40K-80CRI-BAA METALUX: BAA-BMK-18-WCL-UNV-L840 (80CRI/4000K) CREE LIGHTING: KBL-C-18L-840(80CRI/4000K) -MC-UL-PD OR APPROVED EQUAL	LED ARRAY	120 VAC	PENDANT MOUNT WITH GALV. RIGID STEEL CONDUIT STEMS FROM JUNCTION BOXES, WITH BALL SWIVELS, AT CEILING, EMT IS NOT PERMITTED FOR THE SUPPORT OF LUMINARIES PER NEC 358.12(5). FIXTURES TO BE APPROX 12.5' AFF IN T-HANGARS.	LIGHT FIXTURES SHALL BE TOTALLY ENCLOSED TYPE TO COMPLY WITH NEC 513.7(C). FIXTURE WIRING IN THE HANGAR BAYS SHALL CONFORM TO NEC 513.7(A). EXPOSED LIGHT FIXTURE CORDS ARE NOT ACCEPTABLE. BOTTOM OF LIGHT FIXTURES SHALL NOT EXTEND BELOW HANGAR DOOR CLEAR OPENING HEIGHT.
F2	LED WALL-PAK LUMINAIRE, CORROSION RESISTANT DIE CAST ALUMINUM HOUSING WITH DARK BRONZE BAKED ON POLYESTER POWDER COAT FINISH, FULLY GASKETED FOR WEATHER AND BUG TIGHTNESS. UL LISTED FOR WET LOCATIONS.	LITHONIA: TWH LED SERIES CAT. NO. TWH LED-20C-1000-40K-T3M- MVOLT-DDBXD-USPOM HOLOPHANE: WCNG-P4-40K-T3M-MVOLT- BZSDP LUMARK: BAA-AXCL10ARL OR APPROVED EQUAL	LED	120 VAC	MOUNTED ON WALL APPROX 18" TO 24" BELOW EVE.	PROVIDE 30 AMP, 2 POLE NEMA RATED LIGHTING CONTACTOR WITH 120 VAC COIL IN A NEMA 12 ENCLOSURE WITH H-O-A SELECTOR SWITCH AND PHOTOCELL CONTROL FOR EXTERIOR LIGHTING.

NOTI

LIGHT FIXTURES SHALL BE MADE/ASSEMBLED IN THE UNITED STATES OF AMERICA TO COMPLY WITH THE AIRPORT IMPROVEMENT PROGRAM BUY AMERICAN PREFERENCE REQUIREMENTS.

	T-HANGAR BAY LOAD CENTER/ PANELBOARD SCHEDULE (TYP. FOR 9)								
CKT#	DUTY	SIZE				SIZE	DUTY	CKT#	
1	RECEPTACLE (AT LOAD CENTER)	20A 1P	l ^_		<u>_</u> _	30A 2P	AC SURGE PROTECTIVE DEVICE	2	
3	INTERIOR LIGHTS	15A 1P		Ь.				4	
5	RECEPTACLES	20A 1P				20A 2P	BI-FOLD DOOR	6	
	OUTDOOR LIGHT	15A 1P		Ь.				8	
9	SPARE (OR OH DOOR OPERATOR	20A 1P	l ^_		_		BLANK	10	
	SOUTH END UNIT)		_	Ь.	_		BLANK	12	
11	11 BLANK								
			L	S/N		GND			

100 AMP (MINIMUM), 120/240 VAC, 1 PHASE, 3 WIRE, 12 CIRCUIT LOAD CENTER WITH COPPER BUS, A 50 AMP, 2 POLE MAIN BREAKER RATED 10,000 AIC (MINIMUM) AT 120/240 VAC IN A NEMA 1 ENCLOSURE; SQUARE D CLASS 1130, CAT. NO. QO112L125GC WITH QOM50VH, 50 AMP, 2 POLE MAIN BREAKER, COVER, AND PK9GTA EQUIPMENT GROUND BAR KIT, EATON CUTLER-HAMMER CH SERIES, CATALOG NUMBER CH16L125B WITH CH250 50 AMP, 2 POLE BACKFED MAIN BREAKER WITH RETAINER BRACKET, BOX, COVER AND EQUIPMENT GROUND BAR, OR APPROVED EQUAL. BRANCH BREAKERS SHALL HAVE 10,000 AIC RATING AT 120/240 VAC.

NOTES

- FURNISH & INSTALL A LOAD CENTER OR PANELBOARD FOR EACH T-HANGAR BAY AND END UNIT. INSTALL LOAD CENTERS / PANELBOARDS SUCH THAT THE TOP OF ENCLOSURE IS 5' TO 5'-6" ABOVE FINISHED FLOOR & THE BOTTOM DOES NOT EXTEND INTO THE AREA 18" ABOVE THE FLOOR.
- 2. PROVIDE LEGEND PLATES FOR ALL LOAD CENTERS LABELED "LC T-HANGAR #_" WITH THE RESPECTIVE NUMBER. VERIFY LABELING AND T-HANGAR NUMBERING WITH OWNER. FURNISH ADDITIONAL LEGEND PLATES LABELED "120/240 VAC, 1 PH, 3W" FOR EACH LOAD CENTER
- 3. CIRCUIT BREAKERS AND WIRING FOR MOTORS SHALL BE SIZED FOR THE ACTUAL MOTORS FURNISHED IN CONFORMANCE WITH THE RESPECTIVE MANUFACTURER'S RECOMMENDATION AND NEC.
- 4. BRANCH CIRCUIT CONDUCTORS FOR 15 AMP AND 20 AMP CIRCUITS IN EACH T-HANGAR BAY SHALL BE #12 AWG THWN COPPER (MINIM IM)
- 5. INCLUDE WITH EACH LOAD CENTER A U.L. LISTED PER UL 1449, AC SURGE PROTECTOR SUTABLE FOR 120/240 VAC, 1 PH, 3W PLUS GROUND SYSTEM, WITH SURGE CURRENT RATING OF 40KA (MIN.) 8x20 MICROSECOND WAVE., PER MODE, AND STATUS INDICATION LIGHTS; JOSLYN MODEL 1265-21, SQUARE D CAT. NO TVS120XR50S OR APPROVED EQUAL. INSTALL THE CIRCUIT BREAKER FOR THE SURGE PROTECTOR DEVICE AS CLOSE AS POSSIBLE TO THE LOAD CENTER MAIN BREAKER OR MAIN LUGS. MAINTAIN LEADS AS SHORT & AS STRAIGHT AS POSSIBLE.
- LOAD CENTERS SHALL BE COMMERCIAL/INDUSTRIAL GRADE. RESIDENTIAL GRADE LOAD CENTERS ARE NOT ACCEPTABLE.
 PANELBOARDS WITH BOLT-ON BREAKERS ARE ALSO ACCEPTABLE IN PLACE OF LOAD CENTERS.



Offices Nationwide

Hanson Professional Services Inc. 1525 S. 6th Street Springfield, IL 62568 phone: 217-788-2450 fax: 217-788-2503

Illinois Licensed Professional Service Corporation #184-001084



ROCHELLE MUNICIPAL AIRPORT MAJOR THOMAS F. KORITZ FIELD

1201 West Gurler Road Rochelle, Illinois 61068 Telephone: 815.562.8619

elephone: 815.562.8619



TE LICENSE ENED: 3/21/2025 EXPIRES: 11/30/202

CONSTRUCT 8-UNIT T-HANGAR AND PAVEMENT SITEWORK

IDA No: RPJ-5150 SBG No: 3-17-SBGP-TBD

ı					
Ī	NO.	DATE	DESCRIPTION		
	NO.	DAIL	DES	DWN	REV
ISSUE: MARCH 21, 2025					
PROJECT NO: 23A1041.00					

CAD FILE: E-602.DWG
DESIGN BY: KNL 12/19/2024

DRAWN BY: KCB 12/30/2024

REVIEWED BY: KNL 1/2/2025

SHEET TITLE

ELECTRICAL SCHEDULES

POWER SOURCE LEGEND PLATE SCHEDULE		
DEVICE	LABEL	
PROPOSED 5-UNIT HANGAR "F" SERVICE DISCONNECT	SERVICE DISCONNECT FOR T-HANGAR "F" 120/240 VAC, 1PH, 3-WIRE	
PROPOSED T-HANGAR "F" MAIN DISTRIBUTION PANEL	T-HANGAR "F" MAIN DISTRIBUTION PANEL 120/240 VAC, 1 PHASE, 3-WIRE FED FROM SERVICE DISCONNECT LOCATED ON EAST SIDE OF AIRPORT ACCESS ROAD	
PROPOSED T-HANGAR "F" MAIN DISTRIBUTION PANEL	120/240V, 1-PH, 3-WIRE CONDUCTOR COLOR CODING SHALL BE AS FOLLOWS: PHASE A - BLACK PHASE B - RED NEUTRAL - WHITE GROUND - GREEN	
PROPOSED T-HANGAR BAY NO. 1F DISTRIBUTION PANEL	T-HANGAR BAY NO. 1 DISTRIBUTION PANEL 120/240 VAC, 1 PHASE, 3-WIRE FED FROM MAIN DIST. PANEL LOCATED IN NORTH END UNIT	
PROPOSED T-HANGAR BAY NO. 1F DISTRIBUTION PANEL	120/240V, 1-PH, 3-WIRE CONDUCTOR COLOR CODING SHALL BE AS FOLLOWS: PHASE A - BLACK PHASE B - RED NEUTRAL - WHITE GROUND - GREEN	
PROPOSED T-HANGAR BAY NO. 2F DISTRIBUTION PANEL	T-HANGAR BAY NO. 2 DISTRIBUTION PANEL 120/240 VAC, 1 PHASE, 3-WIRE FED FROM MAIN DIST. PANEL LOCATED IN NORTH END UNIT	
PROPOSED T-HANGAR BAY NO. 2F DISTRIBUTION PANEL	120/240V, 1-PH, 3-WIRE CONDUCTOR COLOR CODING SHALL BE AS FOLLOWS: PHASE A - BLACK PHASE B - RED NEUTRAL - WHITE GROUND - GREEN	

POWER SOURCE LEGEND PLATE SCHEDULE		
DEVICE	LABEL	
PROPOSED T-HANGAR BAY NO. 3F DISTRIBUTION PANEL	T-HANGAR BAY NO. 3 DISTRIBUTION PANEL 120/240 VAC, 1 PHASE, 3-WIRE FED FROM MAIN DIST. PANEL LOCATED IN NORTH END UNIT	
PROPOSED T-HANGAR BAY NO. 3F DISTRIBUTION PANEL	120/240V, 1-PH, 3-WIRE CONDUCTOR COLOR CODING SHALL BE AS FOLLOWS: PHASE A - BLACK PHASE B - RED NEUTRAL - WHITE GROUND - GREEN	
PROPOSED T-HANGAR BAY NO. 4F DISTRIBUTION PANEL	T-HANGAR BAY NO. 4 DISTRIBUTION PANEL 120/240 VAC, 1 PHASE, 3-WIRE FED FROM MAIN DIST. PANEL LOCATED IN NORTH END UNIT	
PROPOSED T-HANGAR BAY NO. 4F DISTRIBUTION PANEL	120/240V, 1-PH, 3-WIRE CONDUCTOR COLOR CODING SHALL BE AS FOLLOWS: PHASE A - BLACK PHASE B - RED NEUTRAL - WHITE GROUND - GREEN	
PROPOSED T-HANGAR BAY NO. 5F DISTRIBUTION PANEL	T-HANGAR BAY NO. 5 DISTRIBUTION PANEL 120/240 VAC, 1 PHASE, 3-WIRE FED FROM MAIN DIST. PANEL LOCATED IN NORTH END UNIT	
PROPOSED T-HANGAR BAY NO. 5F DISTRIBUTION PANEL	120/240V, 1-PH, 3-WIRE CONDUCTOR COLOR CODING SHALL BE AS FOLLOWS: PHASE A BLACK PHASE B - RED NEUTRAL - WHITE GROUND - GREEN	
PROPOSED T-HANGAR BAY NO. 6F DISTRIBUTION PANEL	T-HANGAR BAY NO. 6 DISTRIBUTION PANEL 120/240 VAC, 1 PHASE, 3-WIRE FED FROM MAIN DIST. PANEL LOCATED IN NORTH END UNIT	
PROPOSED T-HANGAR BAY NO. 6F DISTRIBUTION PANEL	120/240V, 1-PH, 3-WIRE CONDUCTOR COLOR CODING SHALL BE AS FOLLOWS: PHASE A - BLACK PHASE B - RED NEUTRAL - WHITE GROUND - GREEN	

POWER SOURCE LEGEND PLATE SCHEDULE		
DEVICE	LABEL	
PROPOSED T-HANGAR BAY NO. 7F DISTRIBUTION PANEL	T-HANGAR BAY NO. 7 DISTRIBUTION PANEL 120/240 VAC, 1 PHASE, 3-WIRE FED FROM MAIN DIST. PANEL LOCATED IN NORTH END UNIT	
PROPOSED T-HANGAR BAY NO. 7F DISTRIBUTION PANEL	120/240V, 1-PH, 3-WIRE CONDUCTOR COLOR CODING SHALL BE AS FOLLOWS: PHASE A - BLACK PHASE B - RED NEUTRAL - WHITE GROUND - GREEN	
PROPOSED T-HANGAR BAY NO. 8F DISTRIBUTION PANEL	T-HANGAR BAY NO. 8 DISTRIBUTION PANEL 120/240 VAC, 1 PHASE, 3-WIRE FED FROM MAIN DIST. PANEL LOCATED IN NORTH END UNIT	
PROPOSED T-HANGAR BAY NO. 8F DISTRIBUTION PANEL	120/240V, 1-PH, 3-WIRE CONDUCTOR COLOR CODING SHALL BE AS FOLLOWS: PHASE A - BLACK PHASE B - RED NEUTRAL - WHITE GROUND - GREEN	
PROPOSED SOUTH END UNIT DISTRIBUTION PANEL	SOUTH END UNIT DISTRIBUTION PANEL 120/240 VAC, 1-PHASE, 3-WIRE FED FROM MAIN DIST. PANEL LOCATED IN NORTH END UNIT	
PROPOSED SOUTH END UNIT DISTRIBUTION PANEL	120/240V, 1-PH, 3-WIRE CONDUCTOR COLOR CODING SHALL BE AS FOLLOWS: PHASE A BLACK PHASE B - RED NEUTRAL - WHITE GROUND - GREEN	
EACH PANELBOARD AND LOAD CENTER LOCATED IN A HANGAR	NOTICE AIRCRAFT SHALL MAINTAIN 5 FEET MINIMUM CLEARANCE FROM ELECTRICAL EQUIPMENT PANELS	

- 1. LEGEND PLATES SHALL BE WEATHERPROOF ENGRAVED PLASTIC OR PHENOLIC MATERIAL, 1/4" HIGH BLACK LETTERS ON A WHITE BACKGROUND UNLESS NOTED OTHERWISE. SECURE WITH WEATHERPROOF ADDRESIVE AND MACHINE SCREWS. FURNISH ADDITIONAL LEGEND PLATES WHERE REQUIRED BY CODE, FOR ADDITIONAL EQUIPMENT, AS DETAILED HEREIN ON THE PLANS, AND AS NOTED IN THE SPECIAL PROVISION SPECIFICATIONS.
- 2. PER NEC 110.22 "IDENTIFICATION OF DISCONNECTING MEANS". EACH DISCONNECTING MEANS SHALL BE LEGIBLY MARKED TO INDICATE ITS PURPOSE AND IDENTIFY THE POWER SOURCE THAT SUPPLIES THE DISCONNECTING MEANS.
- 3. PER NEC 408.4 "FIELD MARKING REQUIRED" PART (B) "SOURCE OF SUPPLY", ALL SWITCHBOARDS, SWITCHBOARDS, SWITCHBOARDS SUPPLIED BY A FEEDER(S) SHALL BE PERMANENTLY MARKED TO INDICATED EACH DEVICE OR EQUIPMENT WHERE THE POWER ORIGINATES.
- 4. PER NEC 110.24 "AVAILABLE FAULT CURRENT" PART (A) "FIELD MARKING", SERVICE EQUIPMENT SHALL BE LEGIBLY MARKED IN THE FIELD WITH THE AVAILABLE FAULT CURRENT. FAULT CURRENT INFORMATION TO BE PROVIDED BY SERVING ELECTRIC UTILITY COMPANY OR FROM DATA OBTAINED FROM UTILITY TRANSFORMER NAMEPLATE. CONTACT PROJECT ENGINEER OF RECORD TO CONFIRM FAULT CURRENT CALCULATIONS.
- 5. PER NEC 408.6 "SHORT-CIRCUIT CURRENT RATING" THE AVAILABLE FAULT CURRENT AND THE DATE, THE CALCULATION WAS PERFORMED SHALL BE FIELD MARKED ON THE ENCLOSURE AT THE POINT OF SUPPLY. FAULT CURRENT INFORMATION TO BE PROVIDED BY SERVING ELECTRIC UTILITY COMPANY OR FROM DATA OBTAINED FROM UTILITY TRANSFORMER NAMEPLATE. CONTACT PROJECT ENGINEER OF RECORD TO CONFIRM FAULT CURRENT CALCULATIONS.
- 6. VERIFY ALL POWER SOURCES TO EQUIPMENT, REPORT ANY VARIATIONS FROM THE SCHEDULE TO AIRPORT MANAGER AND ENGINEER OF RECORD. PROVIDE CORRECTIVE LABELING FOR RESPECTIVE POWER SOURCE WHERE APPLICABLE. SAFETY OF PERSONNEL IS THE PRIORITY.
- 7. FURNISH & INSTALL A WEATHERPROOF WARNING LABEL FOR EACH SAFETY SWITCH, PANELBOARD, LOAD CENTER, CUTOUT, & CONTROL PANEL TO WARN PERSONS OF POTENTIAL ELECTRIC ARC FLASH HAZARDS, PER THE REQUIREMENTS OF NEC 110.16 "ARC-FLASH HAZARD WARNING".
- 8. PER NEC 702.2 "SIGNS" PART (A) "STANDBY", A SIGN SHALL BE PLACED AT THE SERVICE-ENTRANCE EQUIPMENT THAT INDICATES THE TYPE AND LOCATION OF EACH ON-SITE OPTIONAL STANDBY POWER SOURCE.
- CONTRACTOR SHALL PROVIDE APPROPRIATE LABELS ON ELECTRICAL EQUIPMENT, IN ACCORDANCE WITH NFPA 70E ARTICLE 130 WORK INVOLVING ELECTRICAL HAZARDS, PART 130.5 ARC FLASH RISK ASSESSMENT, (H) EQUIPMENT LABELING. WHERE MAXIMUM CALCULATED FAULT CURRENT EXCEEDS 25,000 AMPS CONTACT PROJECT ENGINEER
- 10. ALL LABELING WILL BE CONSIDERED INCIDENTAL TO THE RESPECTIVE WORK.
- 11. LEGEND PLATES MUST BE PLACED WHERE THEY ARE CLEARLY VISIBLE FOR THE RESPECTIVE EQUIPMENT OR DEVICE. WHERE THE EQUIPMENT/DEVICE DOES NOT HAVE ADEQUATE SPACE TO ACCOMMODATE THE LABEL OR LEGEND PLATE INSTALL THE LABEL/LEGEND PLATE IMMEDIATELY ADJACENT TO OR ABOVE THE RESPECTIVE DEVICE. INCLUDE MOUNTING PLAQUE SUITABLE FOR THE RESPECTIVE ENVIRONMENT.



www.hanson-inc.com

Hanson Professional Services Inc. 1525 S. 6th Street Springfield, IL 62568 phone: 217-788-2450 fax: 217-788-2503

Illinois Licensed Professional Service Corporation #184-001084



ROCHELLE MUNICIPAL AIRPORT MAJOR THOMAS F. KORITZ FIELD

1201 West Gurler Road Rochelle, Illinois 61068 Telephone: 815.562.8619



CONSTRUCT 8-UNIT T-HANGAR AND PAVEMENT **SITEWORK**

IDA No: RPJ-5150 SBG No: 3-17-SBGP-TBD

NO.	DATE	DESCRIPTION		
NO.		DES	DWN	RE
ISSUE: MARCH 21 2025				

PROJECT NO: 23A1041.00 CAD FILE: E-603.DWG DESIGN BY: KNL 12/19/2024

DRAWN BY: KCB 12/30/2024 REVIEWED BY: KNL 1/2/2025

SHEET TITLE

LEGEND PLATE **SCHEDULES - SHEET**

FAULT CURRENT CALCULATION LEGEND PLATE SCHEDULE				
DEVICE	LABEL			
HANGAR "F" MAIN SERVICE DISCONNECT	MAX AVAILABLE FAULT CURRENT AT UTILITY TRANSFORMER SECONDARY WAS CALCULATED TO BE:AMPS LINE TO LINEAMPS LINE TO NEUTRAL ON (DATE)			
PROPOSED T-HANGAR "F" MAIN DISTRIBUTION PANEL	MAX AVAILABLE FAULT CURRENT AT UTILITY TRANSFORMER SECONDARY WAS CALCULATED TO BE: AMPS LINE TO LINE AMPS LINE TO NEUTRAL ON (DATE)			
PROPOSED T-HANGAR BAY NO. 1F DISTRIBUTION PANEL	MAX AVAILABLE FAULT CURRENT AT UTILITY TRANSFORMER SECONDARY WAS CALCULATED TO BE:AMPS LINE TO LINEAMPS LINE TO NEUTRAL ON (DATE)			
PROPOSED T-HANGAR BAY NO. 2F DISTRIBUTION PANEL	MAX AVAILABLE FAULT CURRENT AT UTILITY TRANSFORMER SECONDARY WAS CALCULATED TO BE:AMPS LINE TO LINEAMPS LINE TO NEUTRAL ON (DATE)			
PROPOSED T-HANGAR BAY NO. 3F DISTRIBUTION PANEL	MAX AVAILABLE FAULT CURRENT AT UTILITY TRANSFORMER SECONDARY WAS CALCULATED TO BE: AMPS LINE TO LINE AMPS LINE TO NEUTRAL ON (DATE)			
PROPOSED T-HANGAR BAY NO. 4F DISTRIBUTION PANEL	MAX AVAILABLE FAULT CURRENT AT UTILITY TRANSFORMER SECONDARY WAS CALCULATED TO BE:AMPS LINE TO LINEAMPS LINE TO NEUTRAL ON (DATE)			
PROPOSED T-HANGAR BAY NO. 5F DISTRIBUTION PANEL	MAX AVAILABLE FAULT CURRENT AT UTILITY TRANSFORMER SECONDARY WAS CALCULATED TO BE: AMPS LINE TO LINE AMPS LINE TO NEUTRAL ON (DATE)			
PROPOSED T-HANGAR BAY NO. 6F DISTRIBUTION PANEL	MAX AVAILABLE FAULT CURRENT AT UTILITY TRANSFORMER SECONDARY WAS CALCULATED TO BE:AMPS LINE TO LINEAMPS LINE TO NEUTRAL ON (DATE)			
PROPOSED T-HANGAR BAY NO. 7F DISTRIBUTION PANEL	MAX AVAILABLE FAULT CURRENT AT UTILITY TRANSFORMER SECONDARY WAS CALCULATED TO BE: AMPS LINE TO LINE AMPS LINE TO NEUTRAL ON (DATE)			
PROPOSED T-HANGAR BAY NO. 8F DISTRIBUTION PANEL	MAX AVAILABLE FAULT CURRENT AT UTILITY TRANSFORMER SECONDARY WAS CALCULATED TO BE: AMPS LINE TO LINE AMPS LINE TO NEUTRAL ON (DATE)			
PROPOSED SOUTH END UNIT DISTRIBUTION PANEL	MAX AVAILABLE FAULT CURRENT AT UTILITY TRANSFORMER SECONDARY WAS CALCULATED TO BE: AMPS LINE TO LINE AMPS LINE TO NEUTRAL ON (DATE)			

AWARNING

Arc Flash and Shock Hazard **Appropriate PPE Required**

NOMINAL VOLTAGE: 120/240 VAC. SINGLE-PHASE, 3-WIRE ARC FLASH BOUNDARY: 19 INCHES ARC FLASH PPE CATEGORY: 1



Refer to NFPA 70E for minimum PPE Requirements

EXAMPLE OF ARC FLASH AND SHOCK HAZARD RISK LABEL FOR 120/240 VAC, SINGLE-PHASE, 3-WIRE PANELBOARD OR OTHER EQUIPMENT WHERE THE MAXIMUM AVAILABLE FAULT CURRENT IS LESS THAN 25,000 AMPS.

PROVIDE THESE LABELS FOR THE FOLLOWING EQUIPMENT:

- HANGAR "F" MAIN SERVICE DISCONNECT
- PROPOSED T-HANGAR "F" MAIN DISTRIBUTION PANEL
- PROPOSED T-HANGAR BAY NO. 1F DISTRIBUTION PANEL
- PROPOSED T-HANGAR BAY NO. 2F DISTRIBUTION PANEL.
- PROPOSED T-HANGAR BAY NO. 3F DISTRIBUTION PANEL.
- PROPOSED T-HANGAR BAY NO. 4F DISTRIBUTION PANEL.
- PROPOSED T-HANGAR BAY NO. 5F DISTRIBUTION PANEL
- PROPOSED T-HANGAR BAY NO. 6F DISTRIBUTION PANEL.
- PROPOSED T-HANGAR BAY NO. 7F DISTRIBUTION PANEL.
- 10 PROPOSED T-HANGAR BAY NO 8F DISTRIBUTION PANEL
- 11. PROPOSED SOUTH END UNIT DISTRIBUTION PANEL.

CAUTION

AREA IN FRONT OF THIS **ELECTRICAL PANEL MUST BE KEPT CLEAR FOR 36 INCHES** OSHA-NEC REGULATIONS

OSHA-NEC CLEARANCE LABEL FOR PANELBOARDS AND LOAD CENTERS. LABELS SHALL BE APPROXIMATELY 3.5" BY 5". PROVIDE THESE LABELS (OR EQUIVALENT) FOR ALL 120/240 VAC PANELBOARDS AND LOAD CENTERS.

OSHA WARNING LABEL DETAIL

NOTES:

- 1. LEGEND PLATES SHALL BE WEATHERPROOF ENGRAVED PLASTIC OR PHENOLIC MATERIAL, 1/4" HIGH BLACK LETTERS ON A WHITE BACKGROUND UNLESS NOTED OTHERWISE. SECURE WITH WEATHERPROOF ADHESIVE AND MACHINE SCREWS. FURNISH ADDITIONAL LEGEND PLATES WHERE REQUIRED BY CODE, FOR ADDITIONAL EQUIPMENT. AS DETAILED HEREIN ON THE PLANS. AND AS NOTED IN THE SPECIAL PROVISION SPECIFICATIONS.
- PER NEC 110.22 "IDENTIFICATION OF DISCONNECTING MEANS". EACH DISCONNECTING MEANS SHALL BE LEGIBLY MARKED TO INDICATE ITS PURPOSE AND IDENTIFY THE POWER SOURCE THAT SUPPLIES THE DISCONNECTING MEANS.
- PER NEC 408.4 "FIELD MARKING REQUIRED" PART (B) "SOURCE OF SUPPLY". ALL SWITCHBOARDS. SWITCHGEAR. AND PANELBOARDS. SUPPLIED BY A FEEDER(S) SHALL BE PERMANENTLY MARKED TO INDICATED EACH DEVICE OR EQUIPMENT WHERE THE POWER
- 4. PER NEC 110.24 "AVAILABLE FAULT CURRENT" PART (A) "FIELD MARKING", SERVICE EQUIPMENT SHALL BE LEGIBLY MARKED IN THE FIELD WITH THE AVAILABLE FAULT CURRENT. FAULT CURRENT INFORMATION TO BE PROVIDED BY SERVING ELECTRIC UTILITY COMPANY OR FROM DATA OBTAINED FROM UTILITY TRANSFORMER NAMEPLATE. CONTACT PROJECT ENGINEER OF RECORD TO CONFIRM FAULT CURRENT CALCULATIONS.
- PER NEC 408.6 "SHORT-CIRCUIT CURRENT RATING" THE AVAILABLE FAULT CURRENT AND THE DATE. THE CALCULATION WAS PERFORMED SHALL BE FIELD MARKED ON THE ENCLOSURE AT THE POINT OF SUPPLY. FAULT CURRENT INFORMATION TO BE PROVIDED BY SERVING ELECTRIC UTILITY COMPANY OR FROM DATA OBTAINED FROM UTILITY TRANSFORMER NAMEPLATE. CONTACT PROJECT ENGINEER OF RECORD TO CONFIRM FAULT CURRENT CALCULATIONS.
- VERIFY ALL POWER SOURCES TO EQUIPMENT. REPORT ANY VARIATIONS FROM THE SCHEDULE TO AIRPORT MANAGER AND ENGINEER OF RECORD. PROVIDE CORRECTIVE LABELING FOR RESPECTIVE POWER SOURCE WHERE APPLICABLE. SAFETY OF PERSONNEL IS THE PRIORITY.
- 7. FURNISH & INSTALL A WEATHERPROOF WARNING LABEL FOR EACH SAFETY SWITCH, PANELBOARD, LOAD CENTER, CUTOUT, & CONTROL PANEL TO WARN PERSONS OF POTENTIAL ELECTRIC ARC FLASH HAZARDS, PER THE REQUIREMENTS OF NEC 110.16 "ARC-FLASH HAZARD WARNING"
- 8. PER NEC 702.2 "SIGNS" PART (A) "STANDBY", A SIGN SHALL BE PLACED AT THE SERVICE-ENTRANCE EQUIPMENT THAT INDICATES THE TYPE AND LOCATION OF EACH ON-SITE OPTIONAL STANDBY POWER SOURCE
- 9. CONTRACTOR SHALL PROVIDE APPROPRIATE LABELS ON ELECTRICAL EQUIPMENT, IN ACCORDANCE WITH NFPA 70E ARTICLE 130 WORK INVOLVING ELECTRICAL HAZARDS, PART 130.5 ARC FLASH RISK ASSESSMENT, (H) EQUIPMENT LABELING. WHERE MAXIMUM CALCULATED FAULT CURRENT EXCEEDS 25,000 AMPS CONTACT PROJECT ENGINEER.
- 10. ALL LABELING WILL BE CONSIDERED INCIDENTAL TO THE
- 11. LEGEND PLATES MUST BE PLACED WHERE THEY ARE CLEARLY VISIBLE FOR THE RESPECTIVE EQUIPMENT OR DEVICE. WHERE THE EQUIPMENT/DEVICE DOES NOT HAVE ADEQUATE SPACE TO ACCOMMODATE THE LABEL OR LEGEND PLATE INSTALL THE LABEL/LEGEND PLATE IMMEDIATELY ADJACENT TO OR ABOVE THE RESPECTIVE DEVICE. INCLUDE MOUNTING PLAQUE SUITABLE FOR



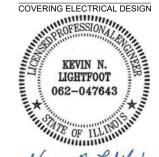
Hanson Professional Services Inc. 1525 S. 6th Street Springfield, IL 62568 phone: 217-788-2450 fax: 217-788-2503

Illinois Licensed Professional Service Corporation #184-001084



ROCHELLE MUNICIPAL AIRPORT MAJOR THOMAS F. KORITZ FIELD 1201 West Gurler Road

Rochelle, Illinois 61068 Telephone: 815.562.8619



CONSTRUCT 8-UNIT T-HANGAR AND PAVEMENT **SITEWORK**

IDA No: RPJ-5150 SBG No: 3-17-SBGP-TBD

NO. DATE DESCRIPTION REV ISSUE: MARCH 21, 2025 PROJECT NO: 23A1041.00 CAD FILE: E-604.DWG

SHEET TITLE

LEGEND PLATE SCHEDULES - SHEET

DESIGN BY: KNL 12/19/2024 DRAWN BY: KCB 12/30/2024 REVIEWED BY: KNL 1/2/2025