

SPONSOR: CITY OF BLYTHEVILLE, ARKANSAS
BLYTHEVILLE, ARKANSAS



LOCATION MAP



VICINITY MAP

- 1 COVER
- 2 CONSTRUCTION SAFETY AND PHASING PLAN - PHASE I
- 3 TOPOGRAPHIC SURVEY
- 4 DEMOLITION AND EROSION CONTROL PLAN
- 5 SITE PLAN
- 6 GRADING AND DRAINAGE PLAN
- 7 MISCELLANEOUS DETAILS I
- 8 MISCELLANEOUS DETAILS II
- E1 ELECTRICAL LEGEND
- E2 ELECTRICAL SITE PLAN
- E3 ELECTRICAL LIGHTING AND POWER PLAN
- E4 ELECTRICAL DETAILS

JUNE, 2025
MCE PROJECT NUMBER 23-5836
AIP PROJECT NUMBER 3-05-0008-023-2025 (AIP)
AIP PROJECT NUMBER 3-05-0008-024-2025 (AIG)



REVISIONS		
REV	DATE	DESCRIPTION



<http://www.mce.us.com>

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LITTLE ROCK, ARKANSAS 72204
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LITTLE ROCK, AR • FAYETTEVILLE, AR • FORT SMITH, AR • ROGERS, AR



BLYTHEVILLE MUNICIPAL AIRPORT (HKA) CONSTRUCT HANGAR AND TAXILANE BLYTHEVILLE, ARKANSAS MCE #23-5836 JUNE, 2025



PHASING NOTES

PHASE I INCLUDES ALL WORK NECESSARY TO COMPLETE THE PROJECT. ALL WORK WILL BE LOCATED OUTSIDE OF RUNWAY 18-36 OBSTACLE FREE ZONE (OFZ); THEREFORE, RUNWAY 18-36 WILL REMAIN OPEN FOR THE DURATION OF THE PROJECT. PHASE I CONTRACT TIME IS 120 CALENDAR DAYS. LIQUIDATED DAMAGES OF \$350 PER DAY WILL BE ASSESSED FOR EACH DAY PHASE I EXCEEDS CONTRACT TIME.

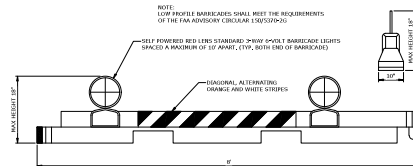
CONTRACTOR SAFETY REQUIREMENTS

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GENERAL SITE NOTES

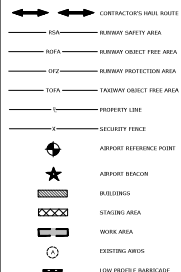
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NOTE:
LOW PROFILE BARRICADES SHALL MEET THE REQUIREMENT
OF THE FAA ADVISORY CIRCULAR 150/5370-2G





















LOW PROFILE BARRICADE
M.T.S.

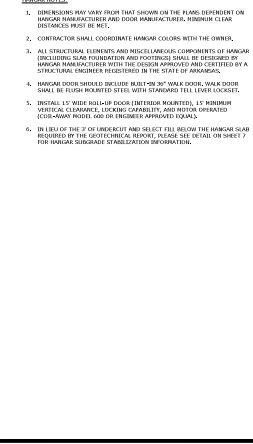
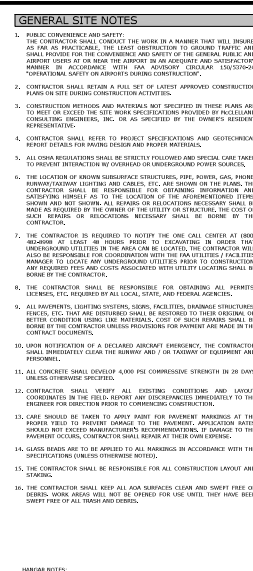
LEGEND

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LEGEND

	PROPOSED ASPHALT TACK/PRIME/SEAL
	PROPOSED CONCRETE ARROW
	PROPOSED 10' x 10' BRICK PAVING
	PROPOSED DITCH LINE
	EXISTING RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
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ORIGINAL SIGNATURE ON FILE

BLYTEVILLE MUNICIPAL AIRPORT (HKA)
CONSTRUCT HANGAR AND TAXILANE

BLYTEVILLE, ARKANSAS



811
 Call before you dig.
 Call before you dig.

DATE: 06/20/2025
 TIME: 10:00 AM
 DRAWN BY: JRM
 CHECKED BY: JRM
 SCALE: AS SHOWN
 SHEET NUMBER: 01-0036

REVISIONS

REV	DATE	DESCRIPTION

SITE LAYOUT

DATE: JUNE, 2025
 SCALE: AS SHOWN

SUN
 PROJECT NUMBER: 01-0036
 SHEET NUMBER: 01-0036

5



1. IMPROVEMENTS PERTAINING TO UNDERGROUND UTILITIES HAS OBTAINED FROM EXISTING UTILITIES INFORMATION FROM THE CITY OF CHICAGO. CONTRACTOR SHALL DETERMINE THE EXACT LOCATION AND DEPTH OF ALL UTILITIES CHANGING IN DEPTH OR LOCATION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY UTILITIES CHANGING IN DEPTH OR LOCATION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY UTILITIES CHANGING IN DEPTH OR LOCATION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY UTILITIES CHANGING IN DEPTH OR LOCATION.

2. ALL STRUCTURES LOCATED WITHIN STATE OR FEDERAL HIGHWAY AND/OR OTHERWISE NOTED ON THESE PLANS SHALL BE CONTRACTED FOR BY APPLICABLE AGENCIES. IF STRUCTURES ARE NOT APPLICABLE, CONTRACTOR SHALL BE RESPONSIBLE FOR ANY UTILITIES CHANGING IN DEPTH OR LOCATION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY UTILITIES CHANGING IN DEPTH OR LOCATION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY UTILITIES CHANGING IN DEPTH OR LOCATION.

3. CONTRACTOR SHALL BE RESPONSIBLE FOR RELOCATION OR REMOVAL OF EXISTING EXISTING UTILITIES SHOWN OR NOT SHOWN AT NO ADDITIONAL COST TO THE OWNER.

4. CONTRACTOR SHALL COORDINATE WITH UTILITY OWNERS ON ADJUSTING EXISTING UTILITIES AND AS REQUIRED BY THE CITY OF CHICAGO AT NO ADDITIONAL COST TO THE OWNER.

5. CONTRACTOR SHALL BE HELD RESPONSIBLE FOR THE DESIGN AND IMPLEMENTATION OF SCHEDULING, SHEDDING, BARRICADING, AND TRAFFIC DIVERSIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND IMPLEMENTATION OF SCHEDULING, SHEDDING, BARRICADING, AND TRAFFIC DIVERSIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND IMPLEMENTATION OF SCHEDULING, SHEDDING, BARRICADING, AND TRAFFIC DIVERSIONS.

6. ALL STORM DRAIN PIPES AND MANHOLES FROM CENTER OF STRUCTURE TO CENTER OF EXISTING DRAINAGE SHALL BE CONTRACTED FOR BY THE CITY OF CHICAGO AT NO ADDITIONAL COST TO THE OWNER.

7. RETAINING WALLS SHALL BE CONSTRUCTED TO EXISTENCE OF A MINIMUM OF 4' BENCHES ABOVE TOP OF FINISHED GRADE. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND IMPLEMENTATION OF SCHEDULING, SHEDDING, BARRICADING, AND TRAFFIC DIVERSIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND IMPLEMENTATION OF SCHEDULING, SHEDDING, BARRICADING, AND TRAFFIC DIVERSIONS.

8. ALL EXISTING DRAINAGE AND CULVERT SHALL BE LOCATED SOUTH OF TOP OF FINISHED GRADE. THE AREA SHALL BE MEASURED AND WATERFILLED UNTIL HARDY GRASS GROWS TO A MINIMUM OF 4' BENCHES ABOVE TOP OF FINISHED GRADE. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND IMPLEMENTATION OF SCHEDULING, SHEDDING, BARRICADING, AND TRAFFIC DIVERSIONS.

9. CONTRACTOR SHALL CONTRACT AND NEGOTIATE WITH UTILITY OWNERS AND GOVERNMENTAL AGENCIES, PRACTICES IN ACCORDANCE WITH THE EXISTING CODES, ORDINANCES, AND REGULATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING SAME WHEN NECESSARY.

10. REMOVE SOIL TOPSOIL FROM AREA TO BE GRADED AND FILLED, AND PRESERVE IT FOR USE TO REPAIR THE CANOES OF ALL EXISTING AREAS.

11. SLOPEY CORRECTED FROM UNDESIRABLE AREAS TO RECEIVE TOPSOIL TO A MINIMUM DEPTH OF 4' BENCHES ABOVE TOP OF FINISHED GRADE.

12. CLEAR AND GRASS AREAS TO BE FILLED, BROWN TREES, VEGETATION, ROOTS, AND BRUSH. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND IMPLEMENTATION OF SCHEDULING, SHEDDING, BARRICADING, AND TRAFFIC DIVERSIONS.

13. ENSURE THAT FILL MATERIAL IS OF A GOOD BROWN, HEAVY, LOOSELY COMPRESSED MATERIAL. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND IMPLEMENTATION OF SCHEDULING, SHEDDING, BARRICADING, AND TRAFFIC DIVERSIONS.

14. KEY EXISTING DRAINAGE AND CULVERT SHALL BE CONTRACTED FOR BY THE CITY OF CHICAGO AT NO ADDITIONAL COST TO THE OWNER.

15. PERMANENTLY STABLED ALL GRADED AREAS AFTER FINAL GRADING IS COMPLETED ON EACH AREA OF A DISSEMINATED CATCHMENT BASIN. ANY TEMPORARY STABILIZATION REQUIRED FOR A DISSEMINATED CATCHMENT BASIN SHALL BE CONTRACTED FOR BY THE CITY OF CHICAGO AT NO ADDITIONAL COST TO THE OWNER.

16. CONTRACTOR SHALL MATCH TOP OF PROPOSED GRADING STRUCTURES WITH PROPOSED GRADING OF A DISSEMINATED CATCHMENT BASIN. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND IMPLEMENTATION OF SCHEDULING, SHEDDING, BARRICADING, AND TRAFFIC DIVERSIONS.

17. ALL UTILITIES, INCLUDING STORM DRAIN, SHOWN WITHIN PUBLIC EASEMENTS OR RIGHT-OF-WAY SHALL BE CONTRACTED FOR BY THE GOVERNING AGENCY. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND IMPLEMENTATION OF SCHEDULING, SHEDDING, BARRICADING, AND TRAFFIC DIVERSIONS.

18. ALL EXISTING DRAINAGE AND CULVERT SHALL BE LOCATED SOUTH OF TOP OF FINISHED GRADE. THE AREA SHALL BE MEASURED AND WATERFILLED UNTIL HARDY GRASS GROWS TO A MINIMUM OF 4' BENCHES ABOVE TOP OF FINISHED GRADE. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND IMPLEMENTATION OF SCHEDULING, SHEDDING, BARRICADING, AND TRAFFIC DIVERSIONS.

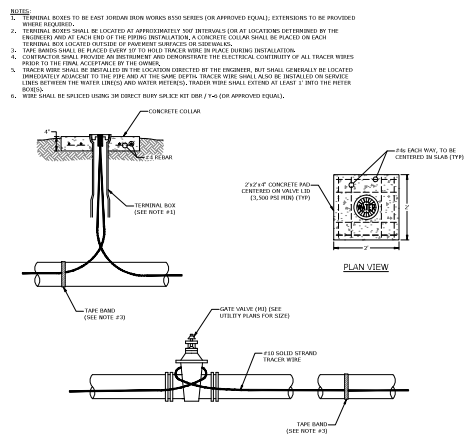
19. ALL DRAINAGE STRUCTURES AND STORM DRAIN PIPES SHALL BE HEAVY DUTY. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND IMPLEMENTATION OF SCHEDULING, SHEDDING, BARRICADING, AND TRAFFIC DIVERSIONS.

20. CONTRACTOR SHALL NOTIFY ALL UTILITY OWNERS HAVING UNDERGROUND UTILITIES SHOWN PRIOR TO EXCAVATION. CONTRACTOR SHALL CONTRACT THE OWNERS OF ALL UTILITIES CHANGING IN DEPTH OR LOCATION. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND IMPLEMENTATION OF SCHEDULING, SHEDDING, BARRICADING, AND TRAFFIC DIVERSIONS.

21. SITE GRADING SHALL BE COMPLETED WITHIN 180 DAYS OF THE DATE OF THE PERMIT. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND IMPLEMENTATION OF SCHEDULING, SHEDDING, BARRICADING, AND TRAFFIC DIVERSIONS.

22. REFER TO GEOTECHNICAL REPORT FOR GENERAL DESCRIPTION OF SOIL STRATA AND RECOMMEND FOR EXCAVATION.

[illegible]



NOTES:

1. CONCRETE FOR THRUST BLOCKS SHALL BE NOT LESS THAN 2,500 P.S.I., COMPRESSIVE STRENGTH AT 28 DAYS AND BE PLACED AGAINST UNDISTURBED SOIL.
2. ALL BENDS, BOTH HORIZONTAL AND VERTICAL, SHALL BE BACKED WITH CONCRETE. VERTICAL BENDS SHALL BE PLACED ON CONCRETE PADS WHERE BENDS TURN UP, OR LOADED WHERE BENDS TURN DOWN.
3. ALL JOINTS IN BENT PIPES SHALL BE REINFORCED BY PLACING CONCRETE, USE COMPACTOR FITTINGS WHEREVER POSSIBLE.
4. BEARING AREA SHOWN IN TABLE, IS BASED UPON A 2000 LBS./SQ. SOIL BEARING, AND UPON A PIPELINE PRESSURE OF 250 PSI PLUS WATER HAMMER. AREAS SHOWN SHALL BE ADJUSTED, SHOULD FIELD CONDITIONS VARY.
5. UTILIZE MECHANICAL THRU RESTRAINTS ON MECHANICAL JOINT FITTINGS AND VALVES, IN ADDITION TO THESE THRUST BLOCKS.

[illegible]

The diagram illustrates the Frost Proof Hydrant system installed in a concrete pad. The components and their labels are as follows:

- WHEEL, MODEL FC0800**: A wheel assembly at the top of the riser pipe.
- FRIGID-TECH HYDRANT (SEE APPROVED EQUI.)**: The main vertical riser pipe.
- 1/2"x4" CONCRETE PAD (2,500 PSI MIN)**: The base slab where the hydrant is installed.
- 1/2" GALVANIZED SEAMLESS STEEL**: The section of the riser pipe below the pad.
- 1/2" ADAPTER**: A coupling fitting on the riser pipe.
- WARMED ROCK (10 ALLOY DRUMS)**: A layer of heated rock surrounding the riser pipe, with a height of 12 inches.
- 1/2" HEAVY SERVICE TUBE**: A horizontal service line connected to the riser pipe.
- TRACER WIRE**: A wire used for tracing the service line.

Below the diagram, the text **FROST PROOF HYDRANT** is displayed in a large, bold, serif font.

PROJECT: BLT/THVILLE BOX HANGAR (MCE-248) DATE: 03/24/2025 10:58 AM

POWER, LIGHTING & SYSTEM LEGEND

	UNDER CABINET LIGHT FIXTURE
	1x4 FLUORESCENT LIGHT
	2x4 FLUORESCENT LIGHT
	FLUORESCENT LIGHT WITH EMERGENCY LIGHT (EL) BATTERY
	1400 LUMENS MINIMUM FOR 2 LAMPS
	2x2 FLUORESCENT LIGHT
	RECESSED LIGHT, UNLESS OTHERWISE SHOWN
	WALL MOUNTED LIGHT-MOUNTING HEIGHT AS INDICATED
	LED EXIT LIGHT, CEILING MOUNTED OR AS INDICATED, DARKENED AREA INDICATES EGRESS
	EMERGENCY EXIT LIGHT, WALL MOUNT 7'-6" A.F.F. OR AS NOTED
	4 FT. STRIP FLUORESCENT LIGHT
	LIGHT SWITCH, MTD. 4'-0" A.F.F.
	LIGHT SWITCH, 2 POLE, MTD. 4'-0" A.F.F.
	LIGHT SWITCH, 3-WAY, MTD. 4'-0" A.F.F.
	LIGHT SWITCH, 4-WAY, MTD. 4'-0" A.F.F.
	LIGHT SWITCH WITH PILOT LIGHT, MTD. 4'-0" A.F.F.
	20 AMP DUPLEX RECEPTACLE MTD. HORIZ. 6" ABOVE COUNTER TOP UNLESS OTHERWISE SHOWN
	20 AMP DUPLEX RECEPTACLE MTD. 18" A.F.F. WITH #12 GROUND WIRE, GFCI INDICATES GROUND FAULT CIRCUIT INTERRUPTER, WP INDICATES WEATHERPROOF WHILE IN USE ENCLOSURE AND COVER
	SINGLE RECEPTACLE, RATINGS AS NOTED
	HP RATED TOGGLE SWITCH, 1 OR 2 POLES AS REQUIRED W/OVERLOADS
	NON-FUSED DISCONNECT SWITCH, SIZE AS NOTED
	COMBINATION DISCONNECT AND MOTOR STARTER, SIZE AS NOTED, FUSED TYPE SHOWN
	FUSED DISCONNECT SWITCH, SIZE AS NOTED
	PUSHBUTTON STATION, NEMA 4X
	ELECTRICAL PANEL, SURFACE MOUNTED, 5'-6" TO TOP OF ENCLOSURE
	ELECTRICAL PANEL, RECESSED MOUNTED, 5'-6" TO TOP OF ENCLOSURE
	EQUIPMENT CABINET SIZE AS NOTED, RECESSED MOUNTED, 5'-6" TO TOP OF ENCLOSURE
	EQUIPMENT CABINET SIZE AS NOTED, SURFACE MOUNTED, 5'-6" TO TOP OF ENCLOSURE
	HOME RUN TO PANEL, RECEPTABLES AND EQUIPMENT SHALL HAVE GREEN GROUND WIRE, NUMBER OF ARROWS INDICATES NUMBER OF PHASE CONDUCTORS, LETTER(S) INDICATE NAME OF PANEL, NUMBER(S) INDICATE CIRCUIT NUMBERS
	BRANCH CIRCUIT WITH PHASE, NEUTRAL, SWITCHED PHASE AND EQUIPMENT GROUNDING CONDUCTORS
	TELEPHONE OR DATA OUTLET, SINGLE GANG BOX MTD. 18" A.F.F. WITH 3/4" STUD TO ABOVE LAY-IN CEILING, "W" INDICATES 4'-6" MTD. HEIGHT FOR WALL PHONE.

LINE TYPES

	FURNISH + INSTALL
	EXISTING

GENERAL NOTE:

- SOME SYMBOLS OR ABBREVIATIONS MAY APPEAR ON THIS SHEET AND NOT BE UTILIZED ON THE PROJECT.

	3/4" PLYWOOD TELEPHONE BACKBOARD, SIZE AS NOTED, MTD. 5'-4" TO TOP
	JUNCTION BOX 42 CUBIC INCH MINIMUM CAPACITY
	SMOKE DETECTOR, WALL MTD.
	SMOKE DETECTOR, CEILING MTD.
	FIRE ALARM PULL STATION MTD. 4'-0" A.F.F.
	FIRE ALARM PULL STATION MTD. 4'-0" A.F.F. AND HORN MTD. 7'-0" A.F.F.
	SMOKE DETECTOR, HVAC DUCT MTD.
	FIRE ALARM CHIME 7'-0" A.F.F.
	SPRINKLER FLOW SWITCH
	FLOOR TELEPHONE OUTLET, CAST JUNCTION-BOX
	WALL TELEPHONE/DATA OUTLET
	DOOR SWITCH MOUNTED IN DOOR JAMB
	DOOR BUTTON WEATHER PROOF, 50" A.F.F.
	DOOR BUZZER MTD. 7'-0" A.F.F.
	HANDHOLE OR MANHOLE, IDENTIFIER SHOWN, REFER TO HANDHOLE OR MANHOLE SCHEDULE FOR SIZE
	CIRCUIT BREAKER, TRIP RATING SHOWN, 3-POLE UNLESS NOTED
	FUSE, CURRENT LIMITING, RATING AS SHOWN
	TRANSFORMER, RATINGS AS SHOWN
	ELECTRIC MOTOR, HORSEPOWER SHOWN
	MOTOR STARTER, SIZE AS SHOWN OR REQUIRED, FVNR UNLESS NOTED
	VARIABLE FREQUENCY DRIVE
	DUCT BANK, IDENTIFIER SHOWN, REFER TO DUCT BANK SCHEDULE FOR SIZE AND CONFIGURATION.
	3/4" x 10' COPPER CLAD GROUND ROD
	SURGE ARRESTOR
	GENERATOR
	ATS/BP/IS 3P400
	WEATHERHEAD
	CABLE CONNECTION

	CONDUIT TYPE (SEE ABBREVIATIONS) REFER TO SPECIFICATIONS IF NOT SHOWN
	CONDUIT SIZE
	GROUNDING (GROUND) CONDUCTOR, NUMBER AND SIZE
	GROUNDING (NEUTRAL) CONDUCTOR, NUMBER AND SIZE
	PHASE (HOT) CONDUCTOR, NUMBER AND SIZE
	NUMBER OF SETS

ABBREVIATIONS

A	AMP
ACU	AIR CONDITIONING UNIT
AFF	ABOVE FINISHED FLOOR
AIC	AMPS INTERRUPTING CAPACITY
AM	AMP-METER
ANN	ANNUNCIATOR
AP	AERIAL PRIMARY
AS	AERIAL SECONDARY
AUX	AUXILIARY
BFI	BLOWN FUSE INDICATOR
BKR	BREAKER
C	CONDUIT
CGRS	PVC COATED GALVANIZED RIGID STEEL
COM	COMMON
CONT	CONTINUOUS
CP	CONTROL PANEL
CPTR	CONTROL POWER TRANSFORMER
CR	CONTROL RELAY
CS	CORD SET
CU	COEFFICIENT OF UTILIZATION
DEB	DIRECT EARTH BURIED
EC	EMPTY OR EMBEDDED CONDUIT
EF	EXHAUST FAN
EG	EQUIPMENT GROUND
EL	ELEVATION
ELT	ELECTRICAL METALLIC TUBING
ETM	ELAPSED TIME METER
F	FIRE ALARM
FAP	FIRE ALARM PANEL
FC	FAN COIL
FLOOR	FLOOR
FOC	FIBER OPTIC CABLE
FS	FLOAT SWITCH
FT	FEET
FVNR	FULL VOLTAGE NON-REVERSING STARTER
FVR	FULL VOLTAGE REVERSING STARTER
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GRD	GROUND
GRS	GALVANIZED RIGID STEEL
HDA	HAND-OFF-AUTO
HR	HORSEPOWER OR HEAT PUMP
JB	JUNCTION BOX
KVA	KILOVOLT-AMPERE
KVAR	KILOVOLT-AMPERE, REACTIVE
KW	KILOWATT
LA	LIGHTNING ARRESTOR
L.O.	LOW VOLTAGE
LV	LOW VOLTAGE
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CIRCUIT PROTECTOR
MFR	MANUFACTURER
MIN	MINIMUM
MS	MOTOR STARTER
MTD	MOUNTED
NFDS	NON-FUSED DISCONNECT SWITCH
NTS	NOT TO SCALE
OC	ON CENTER
OH	OVERHEAD
OL	OVERLOAD
PB	PUSH BUTTON
PEC	PHOTO ELECTRIC CELL
PF	POWER FACTOR
PL	PILOT LIGHT
PMR	PHASE MONITOR RELAY
PNL	PANEL
PTT	PUSH-TO-TEST
PVC	SCHEDULE 40 POLYVINYL CONDUIT
RECP	RECEPTACLE
RM	ROOM
RVAT	REDUCED VOLTAGE AUTO-TRANSFORMER STARTER
S	SECOND
SA	SURGE ARRESTER
SDB	SOFT DRAIN BAKE COPPER
SE	SERVICE ENTRANCE
SHT	SHEET
SN	SOLID NEUTRAL
SS	STAINLESS STEEL
STA	STATION
SW	SWITCH
TC	TIME CLOCK
TEL	TELEPHONE
TD	TIME DELAY
TDD	TIME DELAY ON DE-ENERGIZATION
TDE	TIME DELAY ON ENERGIZATION
TYP	TYPICAL
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
UG	UNDER GROUND
UH	UNIT HEATER
UP	UNDERGROUND PRIMARY
US	UNDERGROUND SECONDARY
VA	VOLT-AMP
VFD	VARIABLE FREQUENCY DRIVE
VM	VOLT-METER
W	WATT OR WIRE
WH	WEATHER HEAD
WM	WATT METER
WP	WEATHERPROOF
W/	WITH
XMFR	TRANSFORMER

CONTROL SCHEMATIC LEGEND

	WIRING WITHIN PANEL
	WIRING TO FIELD DEVICE
	PUSHBUTTON SWITCH, NORMALLY OPEN
	PUSHBUTTON SWITCH, NORMALLY CLOSED
	SELECTOR SWITCH, NUMBER OF POSITIONS AND CONTACTS AS SHOWN
	RELAY CONTACT, NORMALLY OPEN
	RELAY CONTACT, NORMALLY CLOSED
	TIME DELAY CONTACT, CLOSE ON ENERGIZATION
	TIME DELAY CONTACT, OPEN ON ENERGIZATION
	TIME DELAY CONTACT, OPEN ON DE-ENERGIZATION
	TIME DELAY CONTACT, CLOSE ON DE-ENERGIZATION
	LEVEL SWITCH
	PRESSURE SWITCH
	LIMIT SWITCH CONTACT, NORMALLY OPEN
	LIMIT SWITCH CONTACT, NORMALLY CLOSED
	LIMIT SWITCH CONTACT, HELD OPEN
	LIMIT SWITCH CONTACT, HELD CLOSED
	RELAY COIL, "TR" INDICATES "TIMING RELAY"
	PILOT LIGHT: "A" INDICATES "AMBER LENS", "G" INDICATES "GREEN LENS", "R" INDICATES "RED LENS"
	SOLENOID
	ELAPSED TIME METER
	TERMINAL BLOCK
	ELECTRICAL CONNECTION
	FUSE, AMPERE RATING AS SHOWN OR REQUIRED, "BFI" INDICATES "BLOWN FUSE INDICATOR" TYPE
	GROUND CONNECTION TO ENCLOSURE GROUND BAR

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STATE OF ARKANSAS
No. 10206
EXPIRES 12/31/2026
www.mce-engineers.com

BLT/THVILLE BOX HANGAR (MCE-248)
TEXTILE AND BOX HANGAR CONSTRUCTION
BLT/THVILLE, ARKANSAS

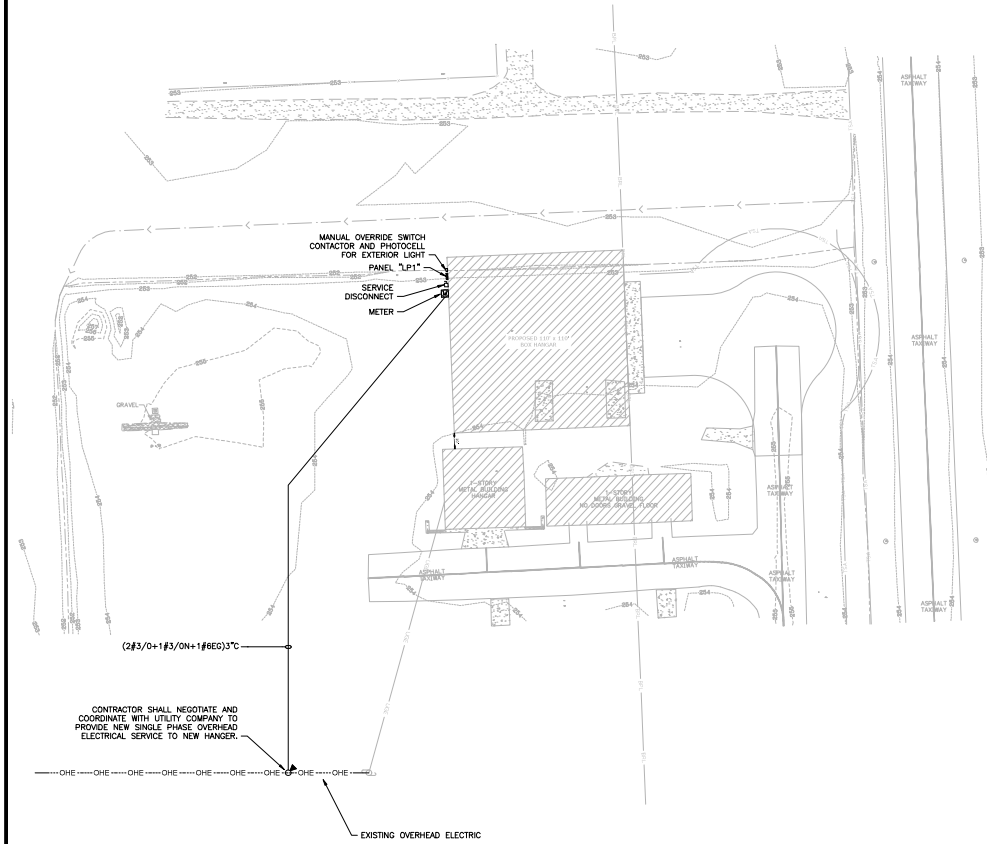
811
Call before you dig
Arkansas
Call 811 or 1-800-4-A-AR

REVISIONS
DATE
BY
DESCRIPTION

ELECTRICAL LEGEND
REVISED BY
DATE
BY
DESCRIPTION

BB CD
03/24/2025
AS SHOWN MCE-248
E1

P:\PROJECTS\BLYTHEVILLE\BLYTHEVILLE BOX HANGAR\DWG\02 SITE PLAN.DWG
4/7/2025 2:54 PM



CAUTION: UNDERGROUND UTILITIES ARE WITHIN AND ADJACENT TO THE LIMITS OF CONSTRUCTION. AN ATTEMPT HAS BEEN MADE TO LOCATE THESE UTILITIES ON THE PLANS. HOWEVER, ALL EXISTING UTILITIES MAY NOT BE SHOWN, AND THE ACTUAL LOCATIONS OF THE UTILITIES MAY VARY FROM THE LOCATIONS SHOWN. PRIOR TO BEGINNING ANY TYPE OF EXCAVATION, THE CONTRACTOR SHALL CONTACT THE UTILITIES INVOLVED AND MAKE ARRANGEMENTS FOR THE LOCATION OF THE UTILITIES ON THE GROUND. THE CONTRACTOR SHALL MAINTAIN THE UTILITY LOCATION MARKINGS UNTIL THEY ARE NO LONGER NECESSARY.

ARKANSAS STATE LAW, THE UNDERGROUND FACILITIES DAMAGE PREVENTION ACT, REQUIRES TWO WORKING DAYS ADVANCE NOTIFICATION THROUGH THE ARKANSAS ONE-CALL SYSTEM CENTER BEFORE EXCAVATING USING MECHANIZED EQUIPMENT OR EXPLOSIVES (EXCEPT IN THE CASE OF AN EMERGENCY). THE ONE-CALL SYSTEM PHONE NUMBER IS 1-800-482-8998. THE CONTRACTOR IS ADVISED THAT THERE IS A SEVERE PENALTY FOR NOT MAKING THIS CALL. NOT ALL UTILITY COMPANIES ARE MEMBERS OF THE ARKANSAS ONE-CALL SYSTEM; THEREFORE, THE CONTRACTOR IS ADVISED TO CONTACT ALL NON-MEMBER UTILITIES AS WELL AS THE ONE-CALL SYSTEM.

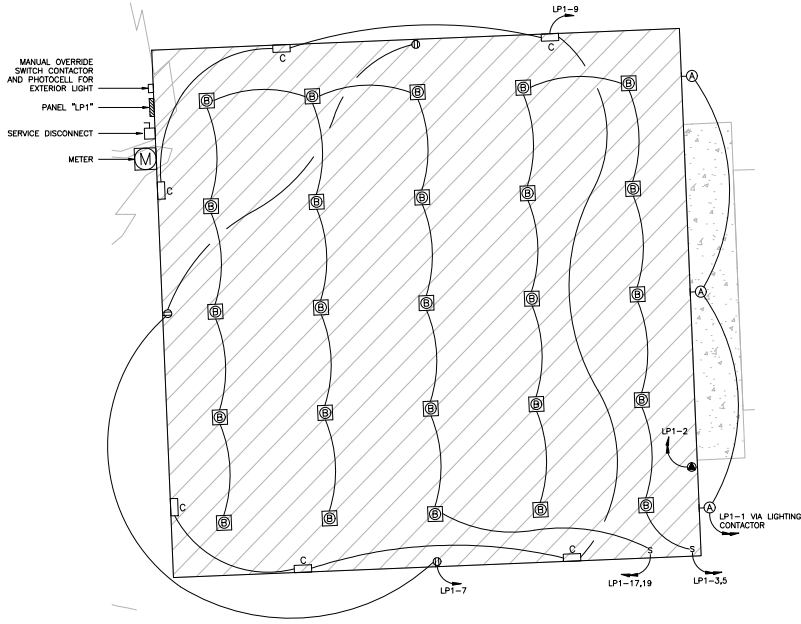


BLYTHEVILLE MUNICIPAL AIRPORT (HKA)
TEXTILE AND BOX HANGAR CONSTRUCTION
BLYTHEVILLE, ARKANSAS

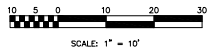


REVISIONS	DESCRIPTION
DATE	
BY	

ELECTRICAL SITE PLAN	
PROJECT #	2024-01
BB	CD
DATE	03/24/2025
AS SHOWN	BY: J. WILSON
	PROJECT: MCE-248
E2	



1 HANGAR LIGHTING AND POWER PLAN
SCALE: 1" = 10'



TYPICAL PANEL NOTES:

- ELECTRICAL CONTRACTOR SHALL COORDINATE NEW SERVICE INSTALLATION WITH ELECTRIC UTILITY CO. AND AIRPORT PERSONNEL.
- EXTERIOR ELECTRICAL EQUIPMENT SHALL BE WEATHERPROOF.
- PROVIDE PHOTOCELL FOR FLOODLIGHTS WITH MANUAL OVERRIDE SWITCH TO BE MOUNTED AS SHOWN ON SIDE OF CHANNEL FRAME. PHOTOCELL TO BE MOUNTED ABOVE ROOF LINE.
- USE UNISTRUT STEEL FRAMING TO SUPPORT ELECTRICAL EQUIPMENT ON EXTERIOR OF HANGAR.
- GROUND FAULT INTERRUPT (GFI) PROTECTION TO BE PROVIDED BY GFI BREAKERS IN THE BREAKER PANEL AND NOT ON THE RECEPTACLES.

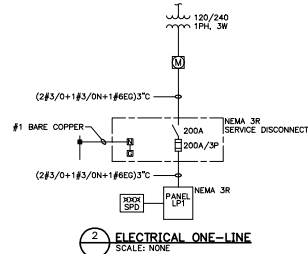
ELECTRICAL CLASSIFICATION NOTES:

- AREA OF HANGAR FROM FINISHED FLOOR TO A HEIGHT OF 18" ABOVE FINISHED FLOOR AND WITHIN 5' OF WING OR POWER PLANT IS CLASSIFIED AS A CLASS 1 DIVISION 2 AREA. ALL CONDUIT RUNS TO BE MOUNTED 11'-4" ABOVE FINISHED FLOOR. DOOR OPERATORS AND LIGHT SWITCHES TO BE MOUNTED 4'-2" ABOVE FINISHED FLOOR.

ELECTRICAL LEGEND:

- 5/4 COORDINATE TYPE AND SIZE OF CIRCUIT WITH APPROVED DOOR OPERATOR.
- S TOGGLE SWITCH, 20 AMPS AT 120 VOLTS, 3 WIRE
- Ⓛ DUPLEX RECEPTACLE, 20 AMPS AT 120 VOLTS, 3 WIRE, GFD, MOUNT CLOSE TO STRUCTURE.
- Ⓛ INTERIOR FIXTURES TO BE JADEMAR - JPHBS-CPS-240W-90-1200-WH (SET @ 200W - 5000K) (ROUND HIGHBAY)-JPHBS-CPS-PCR-16-200-310W (16" PC REFRACTOR FOR 200-310W) OR APPROVED EQUAL.
- Ⓛ EXTERIOR FIXTURES, JADEMAR - JWP-NC-120W-PC-BZ (SET @ 100WATT - 5000K) (WALLPACK) OR APPROVED EQUAL.
- A SINGLE POLE CIRCUIT BREAKER NUMBER.
- 26 DOUBLE POLE CIRCUIT BREAKER.
- Ⓛ EGRESS LIGHT, ISOLITE BUG-3W-WH-MB-SD

NOTE:
NO AIRCRAFT FUEL TANK OR POWER PLANT SHALL BE WITHIN 5' HORIZONTAL TO ANY WALL.



PANELBOARD SCHEDULE

PANEL	DESCRIPTION	BKR	NO.	VOLTS 240/120 1PH, 3W				MAIN 200A MCB				10,000 AIC			
				A	B	A	B	A	B	A	B	A	B	A	B
EXTERIOR LIGHTING	20A/1P	1	0.117		3.360										
INTERIOR LIGHTING	20A/2P	3	0.825	0.825			3.360								
INTERIOR LIGHTING		5	0.825		0.000										
RECEPTS	20A/1P	7	0.540	0.540			0.000								
EGRESS LIGHT	20A/1P	8	0.500		0.000										
SPARE	20A/1P	11	0.000	0.000			0.000								
SPARE	20A/1P	13	0.000		0.000										
SPARE	20A/1P	15	0.000		0.000										
INTERIOR LIGHTING	20A/2P	17	0.825		0.000										
		19	0.000	0.825			0.000								
		21	0.000		0.000										
		23	0.000		0.000										
		25	0.000		0.000										
		27	0.000		0.000		0.000								
		29	0.000		0.000										
		31	0.000		0.000		0.000								
		33	0.000		0.000										
		35	0.000		0.000		0.000								
		37	0.000		0.000										
		39	0.000		0.000		0.000								
		41	0.000		0.000										
			2.287	2.190	3.360	3.360									
			5.627	5.550			TOTAL CONNECTED								
			11.177				KVA								
			17.464				DESIGN KVA								
			73				DESIGN AMPS								

