SERVERFARM, INC
ARK01
DESIGN DEVELOPMENT

CODE INFORMATION

PROJECT DATA AND CODE INFORMATION

PROJECT DATA	
PROJECT NAME:	ARK01
PROJECT ADDRESS:	CLARKSVILLE, AR 72830
OWNER:	SERVERFARM, INC

APPLICABLE CODES	
BUILDING CODE:	ARKANSAS BUILDING CODE 2021
ACCESSIBILITY CODE:	ICC A117.1
ELECTRICAL CODE:	2021 NATIONAL ELECTRICAL CODE
ENERGY CODE:	2009 INTERNATIONAL ENERGY CONSERVATION CODE
FIRE CODE:	2021 ARKANSAS FIRE PREVENTION CODE (VOLUME I, II, III, APPENDICES B, C, D)
MECHANICAL CODE:	2021 ARKANSAS MECHANICAL CODE
PLUMBING CODE:	2018 ARKANSAS PLUMBING CODE
REGIONAL OR MUNICIPAL CODE:	CLARKSVILLE ARKANSAS, ZONING CODE

LIFE SAFETY INFORMATION					REFERENCE
USE OR OCCUPANCY CLASSIFICATION					
PRIMARY CLASSIFICATION:	B & S-2 (B ACCESSORY TO S-2)				
TYPE OF CONSTRUCTION					
CONSTRUCTION TYPE:	TYPE IIB				ABC, TABLE 601
FIRE PROTECTION REQUIREMENTS	**REQUIRED**		**PROVIDED**		
BEARING WALLS: INT./EXT.	0 HR. / 0 HR.		0 HR. / 0 HR.		ABC, TABLE 601 & 602
NONBEARING WALLS: INT./EXT.	0 HR. / 0 HR.		2 HR. & 1 HR. / 0 HR		ABC, TABLE 601 & 602
ROOF / CEILING:	0 HR. / 0 HR.		0 HR. / 0 HR.		ABC, TABLE 601
FLOOR/ CEILING:	0 HR. / 0 HR.		2 HR. / 0 HR.		ABC, TABLE 601
STRUCTURAL FRAME / COLUMNS:	0 HR. / 0 HR.		0 HR. / 2 HR.		ABC, TABLE 601
RATED SEPARATIONS:			0 HR. / 2 HR*		
B TO S-2:	0 HR.		0 HR.		ABC, SECTION 508.4
			*OWNER ELECTED		
DESIGN LIMITATIONS	**MAX. ALLOWED**		**MAX. PROVIDED**		
HEIGHT:	75' - 0"		52' - 6"		ABC, TABLE 504.3
AREA:	UNLIMITED		306,741 SF		ABC, SECTION 507.4
STORIES:	4		2		ABC, SECTION 504.4
MEANS OF EGRESS	**MAX. ALLOWED**		**MAX. PROVIDED**		
	STORAGE	BUSINESS	STORAGE	BUSINESS	ABC, SECTION 1017
TRAVEL DISTANCE TO EXIT:	400' - 0"	300' - 0"	344' - 9"	242' - 5"	
MEANS OF EGRESS SIZING	**MIN. ALLOWED**		**PROVIDED**		
STAIRS:	TREAD WIDTH: 44" OR MIN PER OCC LOAD, WHICHEVER IS GREATER		REFER TO LIFE SAFETY PLANS		ABC, SECTION 7.2.2, 7.3.3.1
DOORS:	CLEAR WIDTH: 32" OR MIN PER OCC LOAD, WHICHEVER IS GREATER		REFER TO LIFE SAFETY PLANS		ABC, SECTION 7.2.1, 7.3.3.1, 7.3.1.2

PLUMBING FIXTURE REQUIREMENTS

	REQUIRED			PROVIDED			
FIXTURE	MALE	FEMALE	SINGLE USER	MALE	FEMALE	SINGLE USER	ABC, SECTION 2902.1 & APC, SECTION 403.1
WATER CLOSETS	2	8		4	8	10	1 PER 25 FOR FIRST 50, 1 PER 50 EXCEEDING 50.
URINALS				3	0		NO MORE THAN 50% OF REQUIRED WC
LAVATORIES	5	7		7	7		1 PER 40 FOR FIRST 80, 1 PER 80 EXCEEDING 80.
SHOWERS	0			0	0	1	
	# REQUIRED	# PROVIDED					
SERVICE SINKS	2	2					
DRINKING FOUNTAINS	4	4					

PROJECT DESCRIPTION

THIS PROJECT INCLUDES THE DESIGN OF ONE DATA CENTER BUILDING (ARK01)WHICH WILL BE THE FIRST BUILDING ON A MULTI DATA CENTER BUILDING CAMPUS. THE CAMPUS IS ACCESSED BY A SINGLE SECURE ENTRY POINT AND THE BUILDINGS ARE CONNECTED BY AN INTERIOR LOOP ROADWAY THE BUILDING CONSISTS OF TWO LEVELS WITH 6 DATA HALLS PER LEVEL AND AN ATTACHED ADMIN WING. THE ADMIN PORTION SERVES AS THE MAIN BUILDING ENTRY AND HAS OFFICE SPACES, A LOADING DOCK, BUILDING SUPPORT, AND STORAGE. THE PARTIAL SECOND FLOOR OF THE ADMIN WING CONTAINS STORAGE SPACE AND BUILDING SUPPORT. THE MECHANICAL COOLING SYSTEM IS FED BY CHILLERS LOCATED ON A STRUCTURAL ROOFTOP DUNNAGE ABOVE THE MAIN ROOF LEVEL.THE ELECTRICAL SYSTEM IS SUPPORTED BY TRANSFORMERS LOCATED IN THE EXTERIOR YARD IMMEDIATELY ADJACENT TO THE ELECTRICAL ROOMS.

BUILDING ENVELOPE REQUIREMENTS

DESIGNATED CLIMATE ZONE: 3A

	REQUIRED		PROVIDED		REFERENCE
OPAQUE ELEMENTS	**ASSEMBLY MAXIMUM**	**INSULATION MIN. R-VALUE**	**ASSEMBLY MAXIMUM**	**INSULATION R-VALUE**	2009 IECC
ROOF - INSULATION ENTIRELY ABOVE ROOF DECK	U-0.048	R-20ci.	0.048	R-25.0ci.	2009 IECC, 502.2(1)
ABOVE GRADE WALLS	U-0.123	R-7.6ci	0.065	R-12.0ci.	2009 IECC, 502.2(1)
BELOW GRADE WALL	-	NR	-	NR	2009 IECC, 502.2(1)
METAL BUILDING, ABOVE GRADE WALL	U-0.084	R-13 + R-3.8ci	U-0.069	R-19.5	2009 IECC, 502.2(1)
FLOOR - SLAB-ON-GRADE, UNHEATED	F-0.73	NR	0.73	NR	2009 IECC, 502.2(1)
DOORS - INSULATED METAL	U-0.70	-	0.70	-	2009 IECC, 502.2(1)
DOORS - ROLL-UP	U-1.45	-	1.45	-	2009 IECC, 502.2(1)
WINDOWS - METAL WITH THERMAL BREAK	U-0.65	-	0.65	-	2009 IECC, 502.3

c.i = CONTINUOUS INSULATION, FC= FILLED CAVITY, LS = LINER SYSTEM, NR = NO REQUIREMENTS, N/A = NOT APPLICABLE

NOTE: ALL DELEGATED DESIGN ELEMENTS SHALL BE COORDINATED AND COMPLIANT WITH MINIMUM G.A. ENERGY CONSERVATION CODE REQUIREMENTS. * REFER TO COMCHECK

serverfarm
CORGAN
TGRWA STRUCTURAL ENGINEERS
kW Mission Critical Engineering Member of WSP
EP ENGINEERING PLUS
Kimley»Horn

ISSUES		
1	11/12/2025	CONCEPTUAL
2	12/12/2025	SCHEMATIC DESIGN
3	12/17/2025	STILL MILL ORDER
4	01/23/2026	DESIGN DEVELOPMENT
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REVISIONS

NOT FOR CONSTRUCTION

This document is incomplete and may not be used for regulatory approval, permit or construction.

Date of issue:
01/23/2026

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DESIGN DEVELOPMENT
CLARKSVILLE, AR 72830

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