

AREA DESIGNATION FOR CODE DATA

REFER TO FLOOR PLAN, SHEET A2.0 FOR PLAN LAYOUT
ALL AREAS ARE TO BE SPRINKLERED

9,991 SQ. FT. - BUILDING AREA
8,638 SQ. FT. AREA - GROSS
6,261 SQ. FT. AREA - NET

BUILDING CODE DATA

Building Code Data

Applicable Codes
2012 Arkansas Fire Prevention Code (based on the 2012 International Fire Code w/ Arkansas Amendments)
Americans with Disabilities Act (ADA) (based on the 2010 Americans with Disabilities Act (9th Edition))
Arkansas State Plumbing Code 2006
Arkansas Mechanical Code 2010
National Electric Code 2010
Arkansas Energy Code Rules & Regulations for Energy Efficiency Standards, 2009 ICC W/ Arkansas Amendments ASHRAE 90.1-2007

Existing Building Information
The original Building 7200 was constructed in 1961, and was modified in 1998. In 2001 the area designated as the S2 Occupancy was constructed in 2002.

Site Information

Zoning District: None
Fire District: No
Seismic Design Category: C

A. Occupancy Classification (See Plan Diagram, this sheet) (Chapter 3)

B. Business (Police Station Addition)
R-2: Residential (Fire Station Renovation)
S-2: Storage (Fire Station Renovation)

B. Type of Construction - Chapter 6

Type VB: Unprotected, Sprinklered

Allowable Height and Building Area (Table 503)	Height	Area	Stories
B: Business	40	9,000	2
R-2: Residential	40	7,000	2
S-2: Storage	40	13,500	2

Floor Areas and Building Area	Building Area	Gross Area	Net Area
B: Business	2,314 sq. ft.	1,999 sq. ft.	1,087 sq. ft.
R-2: Residential	2,790 sq. ft.	2,349 sq. ft.	1,327 sq. ft.
S-2: Storage	4,687 sq. ft.	4,690 sq. ft.	3,647 sq. ft.
Totals	9,991 sq. ft.	8,638 sq. ft.	6,261 sq. ft.

Occupant Load (Table 1004.1.2):

B: Business	1,999 / 100 gsf equals	16
R-2: Residential	2,349 / 200 gsf equals	12
S-2: Storage	4,690 / 500 gsf equals	10
Total Occupants		38

Separation of Occupancies (Table 508.4)

Between R and B: 1 Hour
Between R and S: 1 Hour

E. Separation Distance (Exterior Walls to closest interior lot line; to the centerline of a street, an alley or public way; or to an imaginary line between two buildings on the property)

North:	15'	to imaginary line between two buildings	
East:	>30'	to nearest structure	
South:	>30'	to centerline of Arkansas Avenue	
West:	>30'	to centerline of 6th Street	

F. Exit Access Corridor / Shaft Enclosure Protection

Fire Protection Requirements (Table 601 - VB)

Requirement	Rating
Structural Frame	0 hr.
Bearing Walls	0 hr.
Non-bearing walls and Partitions - Exterior (Table 602)	0 hr.
North:	10' x X' />= 30'
East:	X' />= 30 ft.
South:	X' />= 30 ft.
West:	X' />= 30 ft.
Non-bearing walls and Partitions - Interior - Typical	0 hr.

Occupancy Band 5 (Table 1018.1): 0 hr.
Occupancy R (Table 1018.1): 0.5 hr.
(Partitions around Sleeping Quarters)

Floor Construction: 0 hr.
Roof Construction: 0 hr.

Maximum Area of Exterior Wall Openings Based on Fire Separation Distance and Degree of Opening Protection (Table 705.8)	Rating
North: 10' to less than 15' (UP-5)	45%
East: Over 30' (UP-5)	No Limit
South: Over 30' (UP-5)	No Limit
West: Over 30' (UP-5)	No Limit

Interior Finishes (Table 803.9 - Sprinklered)

Occupancy B	
Exit Enclosures	B (Flame Spread 26-75, Smoke Development 0-450)
Corridors	C (Flame Spread 76-200, Smoke Development 0-450)
Rooms and Enclosed Spaces	C (Flame Spread 76-200, Smoke Development 0-450)
Occupancy R-2 & S	
Exit Enclosures	C (Flame Spread 76-200, Smoke Development 0-450)
Corridors	C (Flame Spread 76-200, Smoke Development 0-450)
Rooms and Enclosed Spaces	C (Flame Spread 76-200, Smoke Development 0-450)
Floor Finishes (Para 804.4.1)	Not less than Class II
Exit Stairs	(No exit stairs this project)
Shaft Enclosures	(No shaft enclosures this project)

G. Rated Construction Assemblies

1/2 HR Gypsum Bd. Partitions (Referenced as G4A on the plans): UL-U407
1 HR Gypsum Bd. Partitions (Referenced as G4AB on the plans): UL-U419

H. Firestop Assemblies

UL/CUL C-AJ-1421 (Metal Pipe through a sleeve in Concrete Floor/Wall or Block Wall)
UL/CUL C-AJ-1291 (Metal Pipe through Concrete Floor/Wall or Block Wall)
UL/CUL W-U-5042 (Insulated Metal Pipe through 1hr or 2hr Concrete Wall or Concrete Block Wall Assembly)
UL/CUL W-L-1054 (Metal Pipe through 1hr or 2hr Gypsum Wall Assembly)
UL/CUL C-AJ-1149 (Metal Pipe through Concrete Floor/Wall or Block Wall)
UL/CUL W-L-3065 (Cable Bundle through Gypsum Wall Assembly)
UL/CUL HW-D-0-0106 (Top of Wall Joint: 1hr or 2hr Gypsum Wall Assembly)
UL/CUL W-W-D-0040 (Wall to Wall Joint: Gypsum Wall to Concrete or Block Wall Assembly)

I. Special Inspections

No special inspections other than what is specified in Section 012100 - Allowances, Div. 3 Section "Cast in Place Concrete"

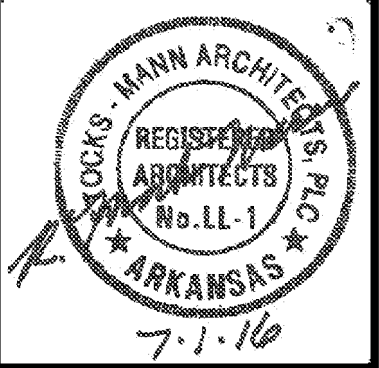
J. Additional Information

Automatic Sprinkler System	Provided
Standpipes (Per 905.3.1)	Not Required
Manual Fire Alarm System (Per 907.2.1)	Provided
Emergency Exterior Lights (Per 1006)	Means of egress illumination required
Roof Coverings (Table 1505.1)	Roof Classification shall be min of Class 'C'
Elevators (Per Chapter 30)	Not applicable to this project
Shaft Enclosure	
Shaft Enclosure - Top	
Elevator Lobby	
Stretcher Accommodation	
Hoistway Venting	

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CONSULTANTS

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TME, LLC.
MEPF Engineer



**Fire Station Renovation and
Police Station Addition**
Building 7200 - Camp Joseph T. Robinson
North Little Rock, Arkansas

REVISIONS

NO.	DESCRIPTION

ISSUE DATE
JULY 1, 2016

PROJECT NO.
0901U

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SHEET

SHEET NUMBER

G1.2