POLK
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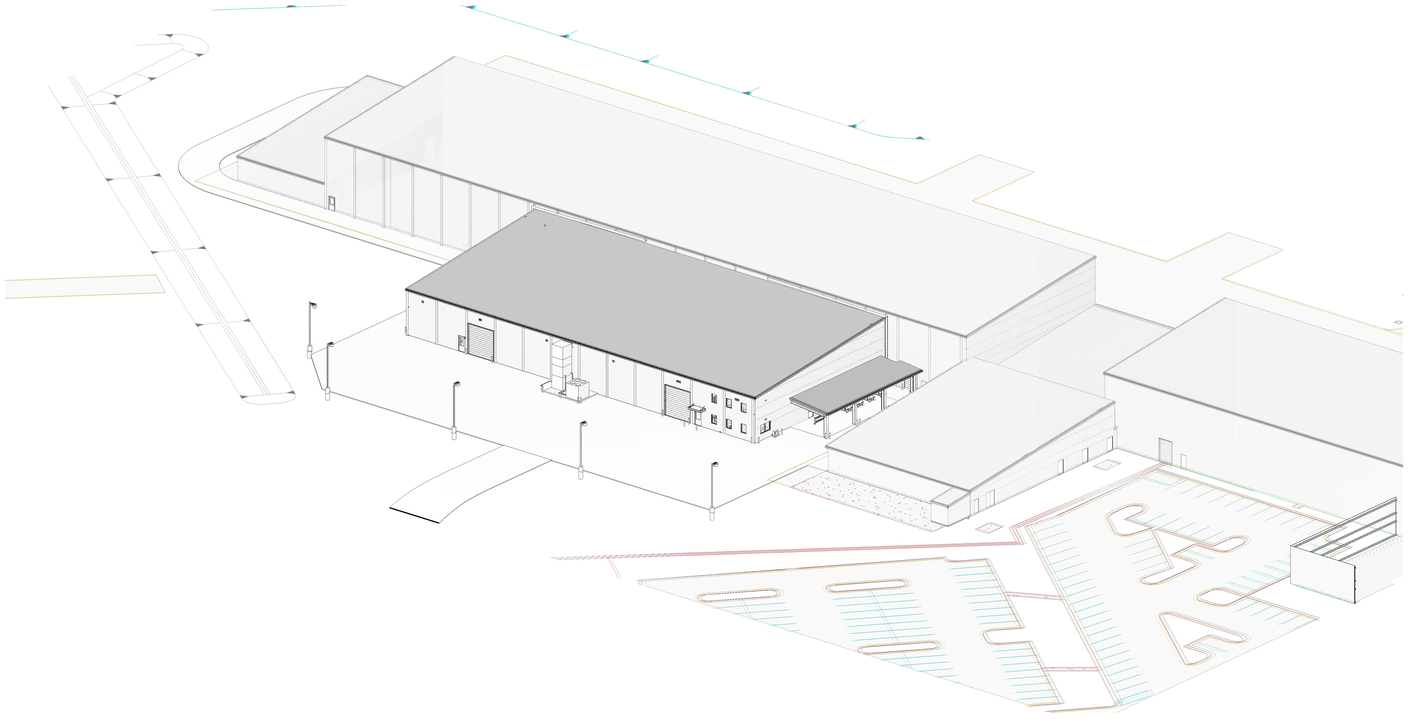
SERVICE CENTER WAREHOUSE ADDITION

DASSAULT FALCON

LITTLE ROCK , ARKANSAS

NO SILICONE SEALANT ALLOWED ON PROJECT TO ALIGN WITH REQUIREMENTS OF INTERNATIONAL FIRE CODE SECTION, 2404.3.2.1



BUILDING INFORMATION REFER ALSO TO INCLUDED LIFE SAFETY DRAWINGS

PROJECT NAME	DASSAULT FALCON JET SERVICE CENTER WAREHOUSE ADDITION
PROJECT DESCRIPTION:	• NEW, 1 STORY METAL BUILDING WAREHOUSE ADDITION (22,579 GROSS SQFT) + NEW 1 STORY,OPEN AIR, COVERED LEAN TO STRUCTURE (1660 SF) ADDED TO EXISTING 110,470 SF EXISTING AIRCRAFT HANGAR
OCCUPANCY AND USE SEPARATION:	• GROUP II AIRCRAFT HANGAR W/ 28FT MAX. DOOR HT & FUELED AIRCRAFT • CURRENT EXISTING BUILDING IS SEPARATED IN FIRE AREAS OF LESS THAN 40,000 GSF. • ACCESSORY AREAS ARE SEPARATE BY FIRE RATINGS AS FOLLOWS: 3 HR OCCUPANCY/AREA SEPARATION BETWEEN HANGAR AND OFFICES 1 HR OCCUPANCY/AREA SEPARATION BETWEEN HANGAR AND OFFICE, STORAGE, FACTORY
FIRE PROTECTION (CH 9):	• THE BUILDING IS FULLY SPRINKLERED (CH 9) • EXISTING FOAM FIRE SPRINKLER SYSTEM IN EXISTING HANGAR AREAS • EXISTING WATER FIRE SPRINKLER SYSTEM IN CURRENT OFFICE, FACTORY, AND STORAGE SPACES • NEW WATER FIRE SPRINKLER SYSTEM IN WAREHOUSE ADDITION
PROJECT SIZE (GROSS SQUARE FEET EXISTING + ADDITION)	• 110,470 SF EXISTING + 22,579 SF NEW = 133,049 SF EXISTING S1 GROUP II (FUELED AIRCRAFT) 31,700 GSF EXISTING S1 GROUP II HANGAR (FUELED AIRCRAFT) 39,400 GSF EXISTING B BUSINESS OCCUPANCY 21,029 GSF EXISTING F1 FACTORY OCCUPANCY 10,032 GSF EXISTING S1 STORAGE OCCUPANCY 5,700 GSF NEW S1 STORAGE OCCUPANCY 22,579 GSF
CONSTRUCTION TYPE (601)	• TYPE II-B, UNPROTECTED FULLY SPRINKLERED (EXISTING AND NEW CONSTRUCTION)
SEPARATION DISTANCE (602)	• 75 FT SETBACK FROM EXISTING AIRCRAFT PAINT FACILITY ON WEST AND 60' SEPARATION DISTANCE AT ALL OTHER STRUCTURES AND PROPERTIES.

CODE SEARCH

APPLICABLE BUILDING CODE FOR PROJECT:
2012 ARKANSAS FIRE PREVENTION CODE VOL 1, BUILDING [BASED ON THE 2012 INTERNATIONAL BUILDING CODE WITH AMENDMENTS]
NFPA STANDARD 409 ON AIRCRAFT HANGARS

USE AND OCCUPANCY CLASSIFICATION - CHAPTER 3

PRIMARY OCCUPANCY : B, F1, & S1 (304)
ACCESSORY OCCUPANCY : BUSINESS(303.4)

NOTES:
- REFER TO CH 5 NOTES BELOW FOR ACCESSORY AREA(S).

SPECIAL OCCUPANCIES- CHAPTER 4

(SECT. 404) AIRCRAFT HANGARS

(TABLE 412.3.6) GROUP II, TYPE IIB CONSTRUCTION: MAXIMUM SINGLE FIRE AREA LIMITED TO LESS THAN 40,000SF - SHALL BE SEPARATED BY 2-HOUR FIRE WALLS-ANCILLARY USES THAT ARE SEPARATED FROM AIRCRAFT SERVICING AREAS BY A FIRE BARRIER OF NOT LESS THAN 1 HR SHALL NOT BE INCLUDED IN THE MAXIMUM AREA CALCULATION

AREA AND HEIGHT- CHAPTER 5

TABLE 503 - HEIGHT (BUSINESS,S1,F1 CONSTR. II-B)

ALLOWABLE HEIGHT = 3 STORIES / 75 FT. MAX.
ACTUAL HEIGHT = 1 STORIES / 48 FT

NOTES:
- ALLOWABLE HEIGHT AND STORY INCREASE DUE TO SPRINKLER SYSTEM INSTALLATION (504.2) - NOT REQUIRED

SECTION 507.3 - AREA (BUSINESS,S1,F1 CONSTR. II-B)

ALLOWABLE AREA/STORY = UNLIMITED
LARGEST ACTUAL STORY AREA = 133,049 SF

SECTION 507.3

THE AREA OF A GROUP B,F,M, OR S BUILDING NO MORE THAN ONE STORY ABOVE GRADE PLANE OF ANY CONSTRUCTION TYPE, SHALL NOT BE LIMITED WHERE THE BUILDING IS PROVIDED WITH AN AUTOMATIC SPRINKLER SYSTEM THROUGHOUT IN ACCORDANCE WITH SECTION 903.3.1.1 AND IS SURROUNDED AND ADJOINED BY PUBLIC WAYS OR YARDS NOT LESS THAN 60 FEET IN WIDTH.

NOTES:

TABLE 509 - INCIDENTAL AREAS

NOTES:
- NO INCIDENTAL USES REQUIRING SPECIAL RATINGS OCCUR IN THIS PROJECT.

TYPES OF CONSTRUCTION - CHAPTER 6

TABLE 601 - FIRE RESISTANCE RATING REQT'S

CONSTRUCTION TYPE = II-B

PRIMARY STRUCTURAL FRAME	=	0 HR (NOT RATED)
EXTERIOR BEARING WALLS	=	0 HR
EXTERIOR NON-BEARING WALLS	=	0 HR UNLESS DRIVEN BY FIRE SEPARATION DISTANCE (TABLE 602)
INTERIOR BEARING WALLS	=	N/A
INTERIOR NON-BEARING WALLS	=	0 HR UNLESS SPECIAL ROOM USE PER LIFE SAFETY PLAN
FLOOR AND SECONDARY SUPPORTS	=	0 HR
ROOF AND SECONDARY SUPPORTS	=	0 HR

NOTES:
- REFER TO LIFE SAFETY PLANS FOR LOCATIONS OF INDIVIDUAL RATED ROOM OR SHAFT LOCATIONS
- REFER TO LIFE SAFETY SECTIONS FOR VERTICAL CONNECTIVITY DIAGRAMS
- REFER TO LIFE SAFETY SITE DIAGRAM FOR FIRE SEPARATION DISTANCES, ALL SIDES

RATED CONSTRUCTION AND ASSEMBLIES - CHAPTER 7

RATED CONSTRUCTION ASSEMBLY DESCRIPTION WITH UL LISTING

PRIMARY STRUCTURE:	NA	
FLOOR CONSTRUCTION:	NA	
ROOF CONSTRUCTION:	NA	
NON-BEARING WALLS:	1 HR GYPSUM BD. WALLS:	U 419
	1 HR GYPSUM BD. SHAFTWALLS:	U469
	2 HR GYPSUM BD. WALLS:	U 411
	2 HR GYPSUM BD. SHAFTWALLS:	U438
	1 HR CMU WALLS:	U905

STANDARD FIRESTOP ASSEMBLIES

FLOOR PENETRATIONS; SELF LEVELING FIRESTOP SEALANT:
- HILTI CP604 (BS 476-20 ; FM APPROVAL - CLASS 4990)

RATED WALL PENETRATIONS:
-HILTI FS-ONE (AS PART OF TESTED SYSTEM FOR WALL TYPE & OBJECT PENETRATING)

CABLE PENETRATIONS AT RATED ELECTRICAL ROOMS:
-SPEED SLEEVE, HILTI CP 653 SYSTEM (UL W-L-2537 SYSTEM)

FLOOR TO WALL, HEAD OF WALL, AND WALL TO WALL:
- FLEXIBLE FIRESTOP SEALANT, HILTI CP 606 (AS PART OF TESTED SYSTEM FOR APPLICATION)

GC NOTE: REFER TO SPECIFICATIONS FOR ADDITIONAL FIRESTOPPING INFORMATION AND SUBMITTAL DRAWING REQUIREMENTS. ALTERNATE FIRESTOPPING SYSTEMS WILL BE CONSIDERED UPON SUBMISSION TO AND REVIEW BY THE ARCHITECT.

MEANS OF EGRESS - CHAPTER 10

TABLE 1004.1.2 - PROJECT OCCUPANT LOADS

BUSINESS AREAS (PRIMARY)	= 150 GROSS
AIRCRAFT HANGAR	= 500 GROSS
ACCESSORY STOR, MECH, ELEC...	= 300 GROSS
FABRICATION AND MANUFACTURING	= 200 GROSS

TOTAL FLOOR OCCUPANCY		FLOOR OCCUPANCY BY USAGE		
FLOOR 1 TOTAL: 438 OCCUPANTS	FLOOR 1:	BUSINESS AREAS	(21,029 SF ÷ 150)	= 141 OCCUPANTS
		AIRCRAFT HANGAR	(79,100 SF ÷ 500)	= 160 OCCUPANTS
		ACCESSORY STORAGE	(25,922 SF ÷ 300)	= 86 OCCUPANTS
		FABRICATION	(10,032 SF ÷ 200)	= 51 OCCUPANTS
MEZZANINE TOTAL: 8 OCCUPANTS	FLOOR 2:	ACCESSORY STORAGE	(2,357 SF ÷ 300)	= 8 OCCUPANTS
BUILDING TOTAL: 446 OCCUPANTS				

1004.7 - OUTDOOR AREAS

NOTES:
- EXTERIOR COVERED AWNING IS USED EXCLUSIVELY FOR SERVICE OF THE BUILDING AND IS OPEN ON TWO SIDES FOR FREE EGRESS DIRECTLY TO THE BUILDING EXTERIOR

CH 10 EGRESS COMPONENTS - NUMBER, WIDTH, AND/OR RATINGS

COMPONENT	REQUIRED NUMBER / WIDTH / RATING	PROVIDED NUMBER / WIDTH / RATING
EGRESS WIDTH AT STAIRWAYS - 1005.3.1	TOTAL STAIR WIDTH = MAX OCC. LOAD SERVED X .2" = 8 X.2" = 1.6" *("MIN STAIRWAY WIDTH = 44" PER 1020.3 36" MIN WIDTH FOR OCCUPANCY <50)*	94" TOTAL STAIR WIDTH PROVIDED (TWO 48" STAIRS)
EGRESS WIDTH AT OTHER COMPONENTS - 1005.3.2	WIDTH OF COMPONENT = MAX OCC. LOAD SERVED X .15" *("MIN CORRIDOR WIDTH = 44" PER TABLE 1020.3)*	VARIES. REFER TO LIFE SAFETY PLANS FOR OCCUPANT COUNT REQUIRED / PROVIDED AT DOORS AND CORRIDORS
ELEVATOR AS ACCESSIBLE MEANS OF EGRESS - 1009.2.1	NOT REQUIRED IN BUILDINGS 3 STORIES OR LESS	NO ELEVATOR PROVIDED
ACCESSIBLE AREA OF REFUGE - 1009.3.3 (EX 2)	NOT REQUIRED IN FULLY SPRINKLERED BUILDINGS	
INTERIOR EXIT STAIR - 1009.2 / 1022	1 HR WHEN CONNECTING LESS THAN 4 STORIES	1 HR
EXIT ACCESS STAIRWAY - 1009.3	NO ENCLOSURE REQUIRED IN SPRINKLERED BUILDINGS	1 PROVIDED AT STORAGE MEZZANINE
COMMON PATH OF TRAVEL (MAX) - TABLE 1006.2.1	100' (SPRINKLERED)	<100'
EXIT ACCESS TRAVEL DISTANCE (MAX) - TABLE 1017.2	250' (SPRINKLERED) (DEAD END< 50' PER 1017.2)	<250' (<50' AT ALL DEAD ENDS)
CORRIDOR RATING - TABLE 1020.2	NO RATING IN FULLY SPRINKLERED BUILDING	0 HR (NO RATED CORRIDORS)
EXITS REQUIRED - SECTION 1021	2 EXITS PER STORY (1-500 PEOPLE)	MINIMUM OF 2 EXITS PROVIDED AT EACH STORY
HORIZONTAL EXITS - 1025.1	MINIMUM 2 HR SEPARATION	N/A (NONE IN PROJECT)
EXIT DISCHARGE - 1027.1	< 50% OF STAIRS MAY EXIT INTO THE BUILDING	ALL STAIRS EXIT TO THE EXTERIOR AT GRADE
ASSEMBLY OCCUPANCIES - 1028	MISC. PROVISIONS FOR EGRESS AND LOBBIES	NO ASSEMBLY SPACES PROVIDED

SPECIAL INSPECTIONS - CHAPTER 17

REFER TO SPECIFICATIONS FOR SPECIAL INSPECTION REQUIREMENTS.

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I hereby certify that these plans and specifications have been prepared by me, or under my supervision. I further certify that to the best of my knowledge these plans and specifications are as required by law and in compliance with the Arkansas Fire Prevention Code for the State of Arkansas.

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POLK STANLEY WILCOX ARCHITECTS — REGISTERED ARCHITECTS — NO. C-140 — 9-24-26 — ARKANSAS

PSW Job Number:
699H

SERVICE CENTER WAREHOUSE ADDITION
LITTLE ROCK , ARKANSAS

PERMIT AND BID ISSUE
Issue Date:
9/24/2026

REVISIONS

NUMBER	DATE	DESCRIPTION

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