

MATCH LINE
REF: FS101

1 1ST FLOOR AREA C - FIRE SPRINKLER PLAN
FS102 FS102 SCALE: 3/32"=1'-0" 24

GENERAL SHEET NOTES

- A. REFER TO SHEET FN001 FOR GENERAL NOTES AND SYMBOLS.
- B. PROVIDE NEW WET PIPE SPRINKLER SYSTEM PROTECTION THROUGHOUT THE ENTIRE FIRST FLOOR AND DRY PIPE SPRINKLER PROTECTION AT THE ROOF DECK IN ACCORDANCE WITH NFPA 13, UFC-3-600-01, AND THE DESIGN CRITERIA INDICATED ON SHEET FN001.
- C. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR COORDINATION WITH CEILING TYPE AND LOCATION OF CEILING-MOUNTED DEVICES.

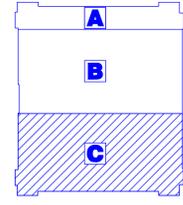
NOTES BY SYMBOL "O"

- 1. ZONE 2 WET PIPE SPRINKLER SYSTEM PROTECTION AREA.
- 2. EXISTING 8-INCH RISER TO BE DEMOLISHED BACK TO BELOW SLAB. ABANDON EXISTING UNDERGROUND FIRE LINE AND ROUTE NEW UNDERGROUND FIRE LINE TO FIRE PUMP ROOM AS SHOWN.
- 3. DOUBLE CHECK BACKFLOW PREVENTER UL LISTED FOR VERTICAL INSTALLATION.
- 4. ELECTRIC HORIZONTAL SPLITCASE FIRE PUMP RATED FOR 1,000 GPM AT 80 PSI WITH 75 HP, 460V MOTOR. SEE F-502 FOR DETAIL.
- 5. JOCKEY PUMP.
- 6. FIRE PUMP TEST HEADER WITH FOUR 2 1/2-INCH HOSE VALVES.
- 7. 5 INCH STORZ FIRE DEPARTMENT CONNECTION WITH 30 DEGREE TURNDOWN LOCATED APPROXIMATELY 36 INCHES ABOVE FINISHED GRADE.
- 8. FIRE PUMP CONTROLLER.
- 9. JOCKEY PUMP CONTROLLER.
- 10. ZONE 1 WET PIPE SPRINKLER SYSTEM RISER.
- 11. ZONE 2 WET PIPE SPRINKLER SYSTEM RISER.
- 12. ZONE 3 DRY PIPE SPRINKLER SYSTEM RISER.
- 13. ZONE 4 DRY PIPE SPRINKLER SYSTEM RISER.
- 14. PROVIDE A SUPERVISED CONTROL VALVE, WATERFLOW SWITCH SET TO ZERO TIME DELAY, AND TEST/DRAIN ASSEMBLY ON THE PIPING FOR THE SPRINKLER PROTECTING THE ELEVATOR EQUIPMENT ROOM PER UFC 3-600-01. SEE FS501 FOR DETAIL.
- 15. PROVIDE A SUPERVISED CONTROL VALVE ON THE PIPING FOR THE SIDEWALL SPRINKLER LOCATED WITHIN 24 INCHES OF THE BOTTOM OF THE ELEVATOR PIT PER UFC 3-600-01.
- 16. INSTALL A POST-INDICATOR VALVE ON THE NEW UNDERGROUND FIRE LINE.

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FIRE SPRINKLER DESIGN CRITERIA

PATTERN	OCCUPANCY	SYSTEM TYPE	DENSITY/ AREA	HOSE STREAM	MAXIMUM ALLOWABLE AREA
	LIGHT HAZARD	WET PIPE SYSTEM	0.10 GPM/SF OVER MOST REMOTE 3,000 SF	250 GPM	225 SF
(NO SHADING)	ORDINARY HAZARD GROUP 2	WET PIPE SYSTEM	0.20 GPM/SF OVER MOST REMOTE 3,000 SF	500 GPM	130 SF
	ORDINARY HAZARD GROUP 1	DRY PIPE SYSTEM	0.15 GPM/SF OVER MOST REMOTE 5,070 SF	500 GPM	130 SF



AREA C KEY PLAN



US Army Corps of Engineers
Louisville District

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
LOUISVILLE, KENTUCKY

Carter Burgess
Carter & Burgess Inc.
101 West Main, TX, 70202
CORP PROJECT NO. 50389-041

STATE OF TEXAS
SHAWN C. YATES
90414
LICENSED PROFESSIONAL ENGINEER

Mark	Description	Date	Appr.
1	DELETED POST INDICATOR VALVE WITH TAMPER SWITCH ON UNDERGROUND FIRE LINE.	8/28/08	

Designed by:	Date:	Rev.
SHAWN YATES	06/13/08	
Dwn by: DLQ	Design file no. DLQ	
Crd by: DLQ	Drawing code: ROBERT D. BESAWON	
Reviewed by: ROBERT D. BESAWON	File name: DONALD J. YOUNG	
Submitted by: DONALD J. YOUNG	Plot date:	
	Plot scale:	

WESTOVER AIR RESERVE BASE
W/R/S/A HANGAR 7, BUILDING 7072 PHASE 1
PROJECT NUMBER: YPM 94-0087PABCD FISCAL YEAR: 08
P2 NUMBER: 147017

1ST FLOOR AREA C - FIRE SPRINKLER PLAN

Sheet reference number:
FS102 R-1
Sheet 142 of 147

SHEET NO. 142 OF 147
 DATE: 08/28/08
 PROJECT: WESTOVER AIR RESERVE BASE, BUILDING 7072 PHASE 1
 DRAWING: 1ST FLOOR AREA C - FIRE SPRINKLER PLAN
 DESIGNED BY: SHAWN YATES
 DRAWN BY: DLQ
 CHECKED BY: DLQ
 REVISIONS: 1. 08/28/08: AS SHOWN