

**BY ORDER OF THE COMMANDER
442D FIGHTER WING**

AIR FORCE INSTRUCTION 21-101_AFRCSUP



**442D FIGHTER WING
Supplement**

20 FEBRUARY 2009

**Certified Current 26 June 2012
Maintenance**

**AIRCRAFT AND EQUIPMENT
MAINTENANCE MANAGEMENT**

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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This supplement implements Air Force Instruction (AFI) 21-101, *Aircraft and Equipment Maintenance Management*, 29 June 2006 and AFI 21-101_Air Force Reserve Command (AFRC) Supplement (SUP), *Aircraft and Equipment Maintenance Management*, 3 February 2007. It provides guidance and procedures for Hot Refueling for 442d Fighter Wing (442 FW) A-10 Aircraft at Whiteman Air Force Base (AFB). It applies to all personnel of the 442 FW. Refer recommended changes and questions about this publication to the Office of Primary Responsibility (OPR) using the Air Force (AF) Form 847, *Recommendation for Change of Publication*. Ensure that all records created as a result of processes prescribed in this publication are maintained in accordance with Air Force Manual (AFMAN) 33-363, *Management of Records*, and disposed of in accordance with the Air force Records Disposition Schedule (RDS) located at <https://afrim.amc.af.mil/>.

14.23.6.1. (Added-442FW) The 442d Fighter Wing hot refueling sites on Whiteman AFB are located on the North Ramp, parking spots 1-18 with coordinates, see attachment #1. Parking plan details see attachment #3.

14.23.6.2. (Added-442FW) R-11 fuel trucks will be used to perform hot refuels at Whiteman AFB.

14.23.6.3. (Added-442FW) the 442d Fighter Wing hot refueling sites on Whiteman AFB are in compliance with the quantity-distance separation requirements as listed in AFMAN 91-201, *Explosives Safety Standards*, see attachment #2.

14.23.7. (Added-442FW) Additional source references for guidance: AF Technical Orders 1A-10A-2-12JG-1-WA-1, 11A-1-33 Handling and Maintenance of Explosives Loaded Aircraft, AFI 23-201, *Fuel Management*, AFOSH Standard, 91-66, *General Industrial Operations*, AFOSH Standard 91-38, *Hydrocarbon Fuels General*, WAFBI 11-250, 442FWI 21-128, *Aircraft Maintenance During Severe Weather*, *Local Checklist (LCL) 442FW-40-1, Multiple Hot Refueling Briefing*, and LCL 442FW-40-2, *Hot Refuel Supervisor Briefing*. Maintenance Operation Center (MOC) will notify the 509 Maintenance Operations and the Whiteman AFB fire department of the date, time, and locations of all hot refuel operations. LCL 442FW-40-2, Hot Pad Supervisor's Checklist for Hot Refuel Operations will be used by the hot pad supervisor during multiple hot refuel operations. LCL 442FW-40-2, *Hot Refuel Supervisor Briefing Checklist*; will be used for all hot refuels.

17.4.2. **(Added-442FW)** Forms or IMT Adopted. AF Form 847, *Recommendation for Change of Publication*.

ROBERT S ARTHUR, Colonel, USAFR
Commander

Attachment 1
GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION

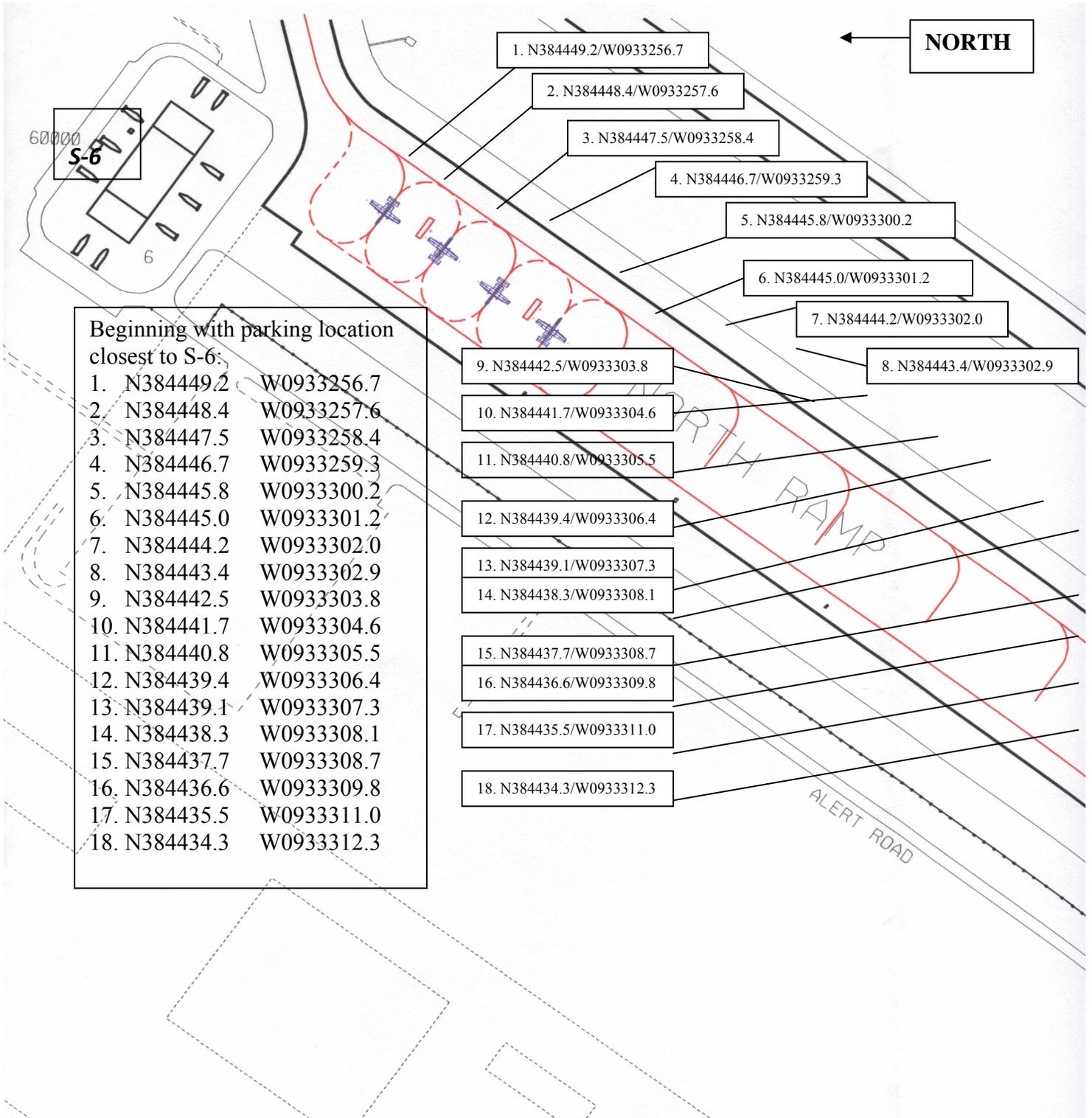
References

AFI 21-101, *Aircraft and Equipment Maintenance Management*, 29 June 2006
AFI 21-101_AFRCSUP, *Aircraft and Equipment Maintenance Management*, 3 February 2007
AFMAN 33-363, *Management of Records*, 1 March 2008
T.O. 1A-10A-2-12JG-1-WA-1, *Servicing USAF Series A-10A Aircraft*, 15 February 2002
T.O. 11A-1-33, *Handling and Maintenance of Explosives Loaded Aircraft*, 20 November 2008
442FWI 21-128, *Aircraft Maintenance During Severe Weather*, 5 May 2005
LCL 442 FW 40-1, *Hot Refuel Pad Supervisor's Checklist*, 20 March 2006
LCL 442 FW 40-2, *Hot Refuel Supervisor's Checklist*, 20 March 2007
AFI 23-201, *Fuels Management*, 7 July 2004
AFOSH STD 91-38, *Hydrocarbon Fuels General*, 1 September 1997
AFOSH STD 91-66, *General Industrial Operations*, 1 October 1997
WAFB 11-250, *Airfield Instruction*, 16 October 2003

Abbreviations and Acronyms

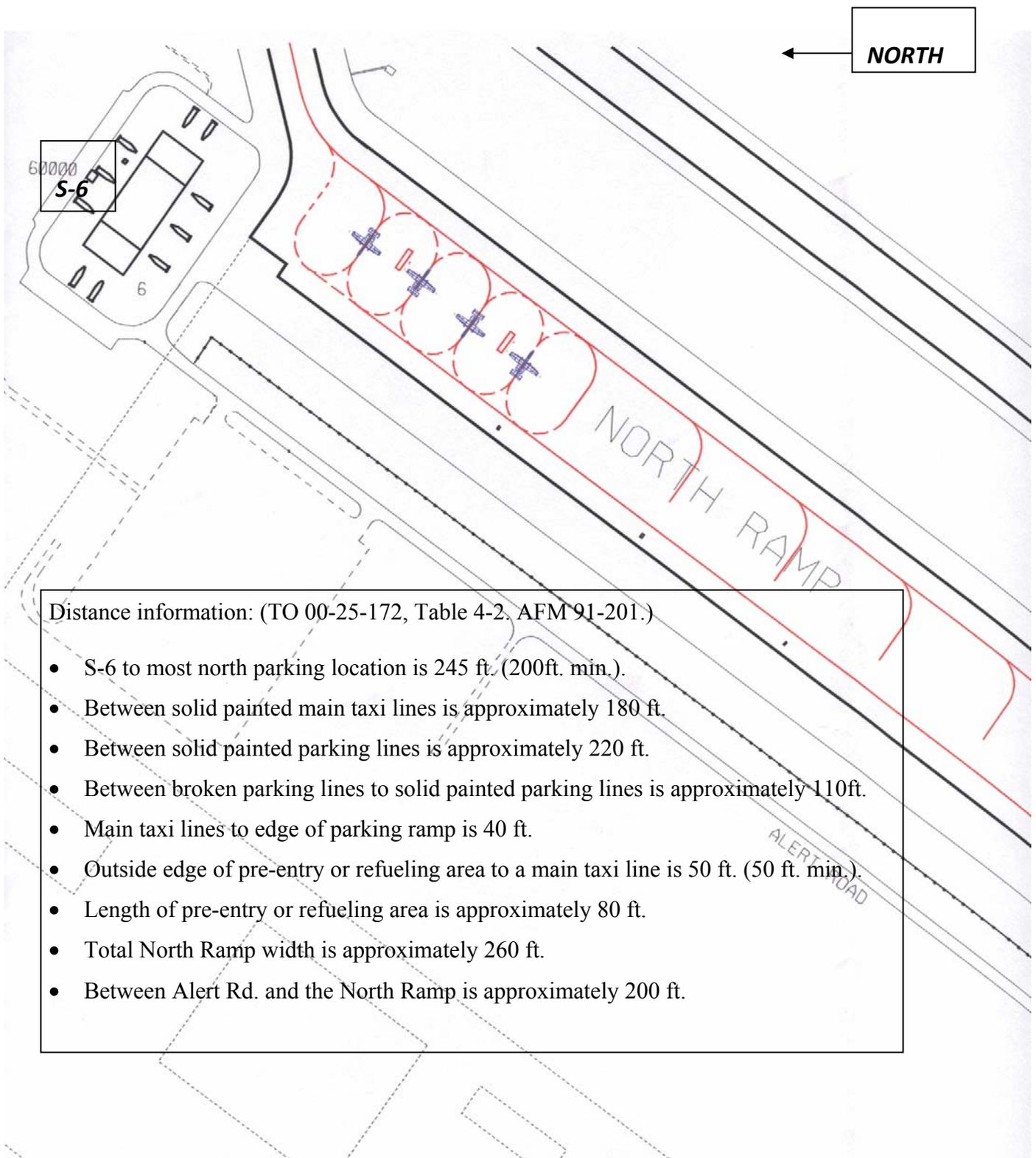
AFI – Air Force Instruction
AFMAN – Air Force Manual
AFOSH – Air Force
CTK – Composite Tool Kit
FWI – Fighter Wing Instruction
LCL – Local Checklist
MOC – Maintenance Operation Center
MSDS – Material Safety Data Sheet

Attachment 2
A10A HOT REFUEL-NORTH RAMP COORDINATES



- Beginning with parking location closest to S-6:
1. N384449.2 W0933256.7
 2. N384448.4 W0933257.6
 3. N384447.5 W0933258.4
 4. N384446.7 W0933259.3
 5. N384445.8 W0933300.2
 6. N384445.0 W0933301.2
 7. N384444.2 W0933302.0
 8. N384443.4 W0933302.9
 9. N384442.5 W0933303.8
 10. N384441.7 W0933304.6
 11. N384440.8 W0933305.5
 12. N384439.4 W0933306.4
 13. N384439.1 W0933307.3
 14. N384438.3 W0933308.1
 15. N384437.7 W0933308.7
 16. N384436.6 W0933309.8
 17. N384435.5 W0933311.0
 18. N384434.3 W0933312.3

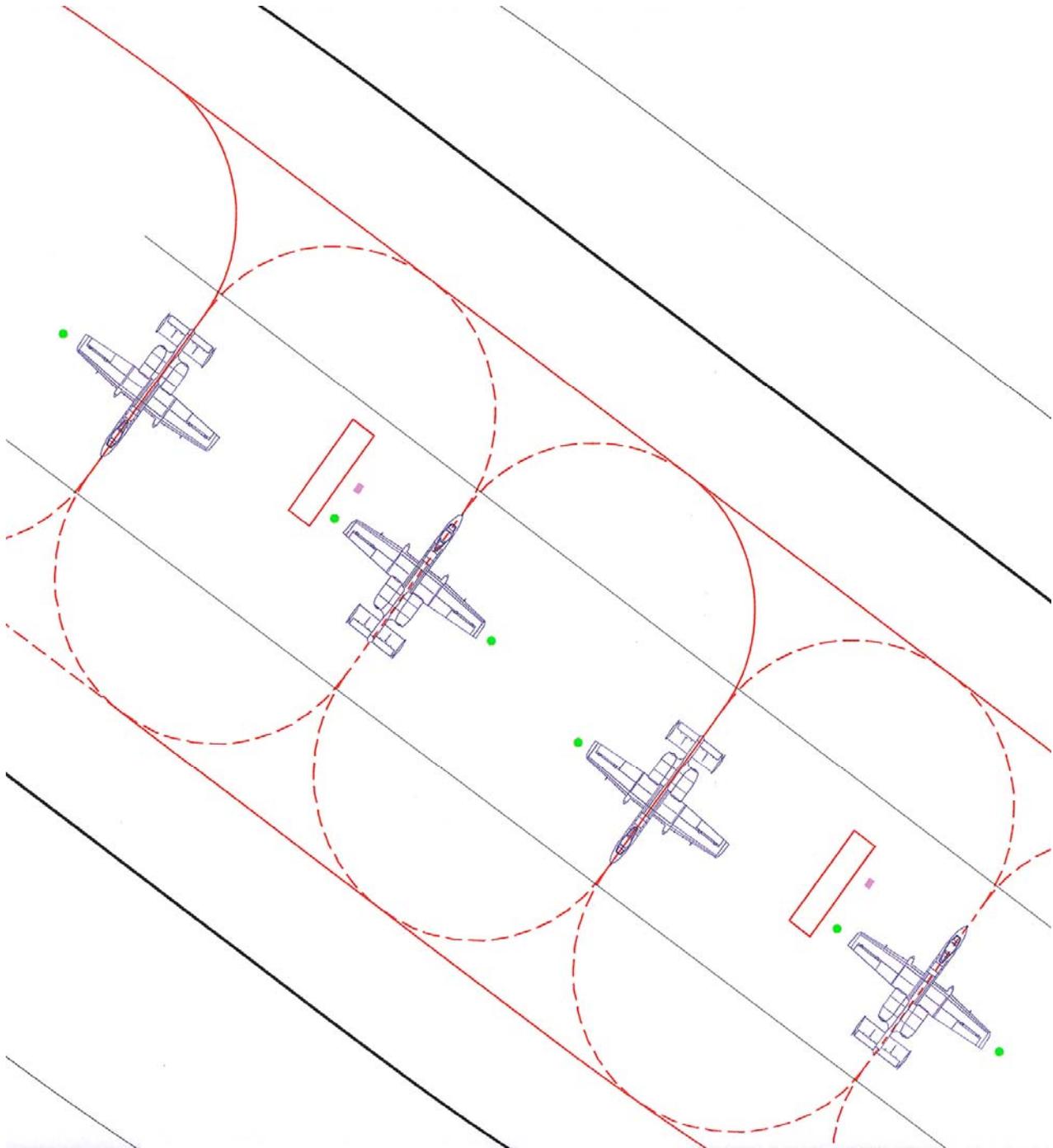
Attachment 3
A10A HOT REFUELING-NORTH RAMP DISTANCES



Distance information: (TO 00-25-172, Table 4-2, AFM 91-201.)

- S-6 to most north parking location is 245 ft. (200ft. min.).
- Between solid painted main taxi lines is approximately 180 ft.
- Between solid painted parking lines is approximately 220 ft.
- Between broken parking lines to solid painted parking lines is approximately 110ft.
- Main taxi lines to edge of parking ramp is 40 ft.
- Outside edge of pre-entry or refueling area to a main taxi line is 50 ft. (50 ft. min.).
- Length of pre-entry or refueling area is approximately 80 ft.
- Total North Ramp width is approximately 260 ft.
- Between Alert Rd. and the North Ramp is approximately 200 ft.

Attachment 4
A10A HOT REFUEL-NORTH RAMP (DETAIL VIEW)



Hot Refuel

Attachment 5
06-9A and 06-9B Hot Refuel Composite Tool Kit Inventory List

LOCATION	NAME	QTY	NSN/PN
#1 Drawer	CTK Inventory	1 Ea.	NA
	MSDS Binder	1 Ea.	NA
	Checklist 1A-10A-2-12JG-1CL-1	1 Ea.	NA
	Checklist LCL-442FW-40-1	1 Ea.	NA
	Checklist LCL-442FW-40-2	1 Ea.	NA
	Reflective Belt	6 Ea.	8415-00-177-4974
	Leatherman	2 Ea.	5110-01-385-7354
	Flashlight	2 Ea.	6230-00-299-3035
#2 Drawer	Marshalling Wands	4 Ea.	6230-00-926-4331
	Comm Cord	2 Ea.	5995-00-679-0693
	Y-Cord	1 Ea.	59-00-00YCORD
	Head Set Comm	3 Ea.	5964-01-204-8505
	Ear Defenders	3 Ea.	5FV26
#3 Drawer	Reflective Vest	2 Ea.	8415-00-177-4974
	Spill Kit	1 Ea.	KIT220
	Eye Wash	1 Ea.	NA
#4 Drawer	First Aid Kit	1 Ea.	NA
	Chocks With Standard Ropes	4 Ea.	1730-00-294-3694
	Chocks With 12-Foot Ropes	4 Ea.	1730-00-294-3694
	Ground Wire 50 Ft.	2 Ea.	4010-00GRDWIRE