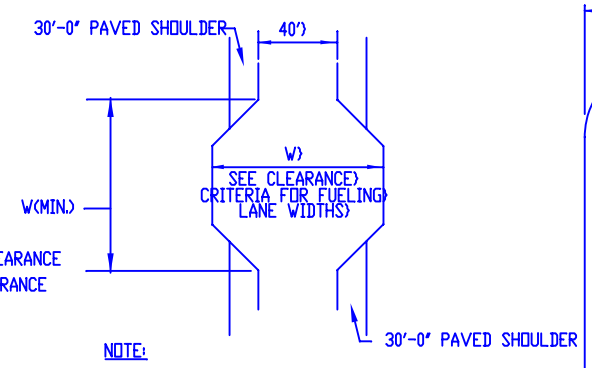
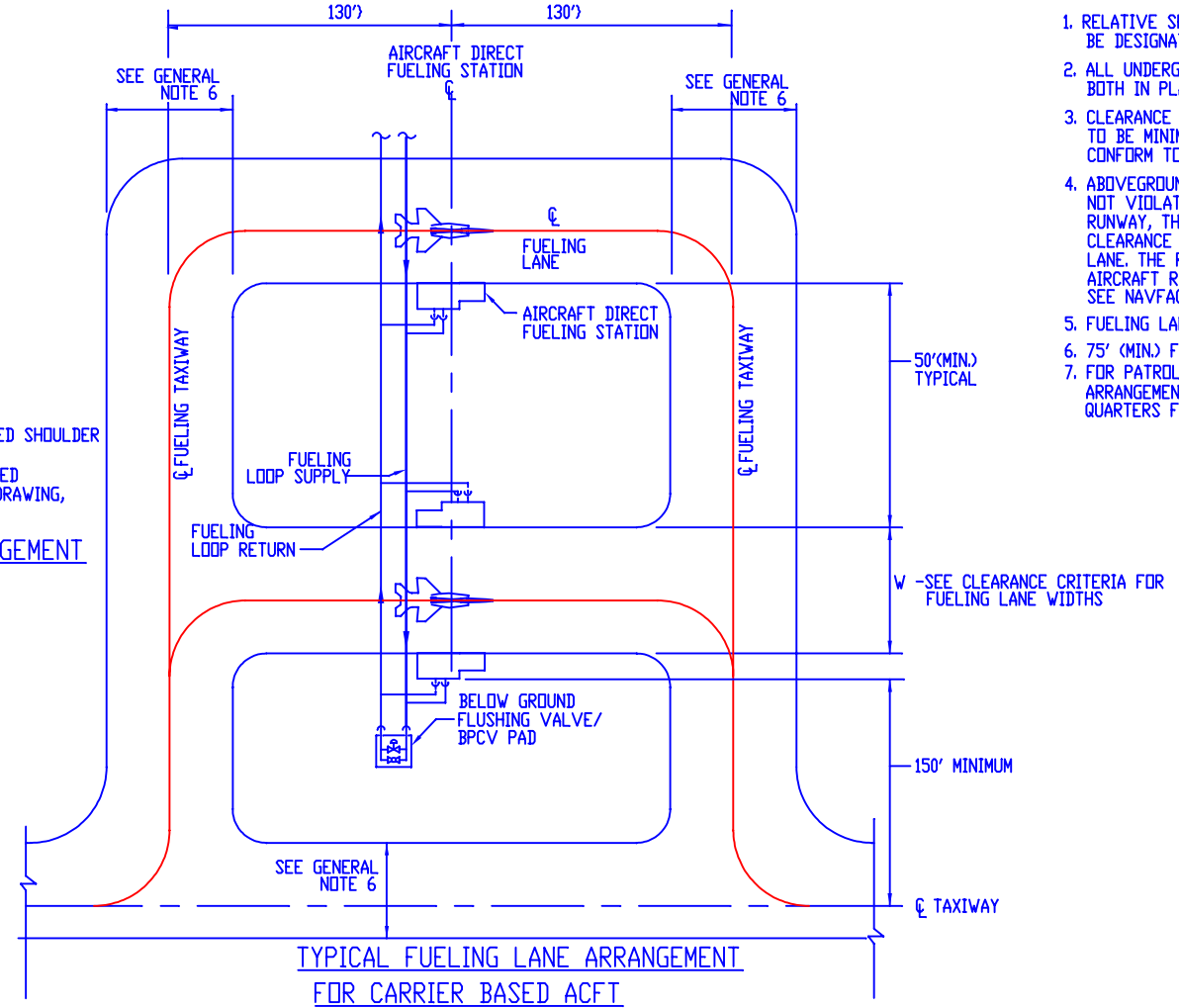
CLEARANCE CRITERIA FOR FUELING LANE WIDTHS	
WINGSPAN OF TAXIING AIRCRAFT	MINIMUM WINGTIP CLEARANCE
OVER 100′	25′
75′ TO 100′	20′
50′ TO 74′	15′
LESS THAN 50′	10′

FIXED WING AIRCRAFT: W (MIN.)=AIRCRAFT WINGSPAN + 2X WINGTIP CLEARANCE
*ROTARY WING AIRCRAFT: W (MIN.)=ROTOR DIAMETER + 2X WINGTIP CLEARANCE
* DOES NOT APPLY TO V-22
L= AIRCRAFT LENGTH



NOTE:
1. FOR V-22 FUELING LANES CONSTRUCTED AFTER ISSUANCE OF THIS STANDARD DRAWING, USE 125′-0″ AS A MINIMUM.

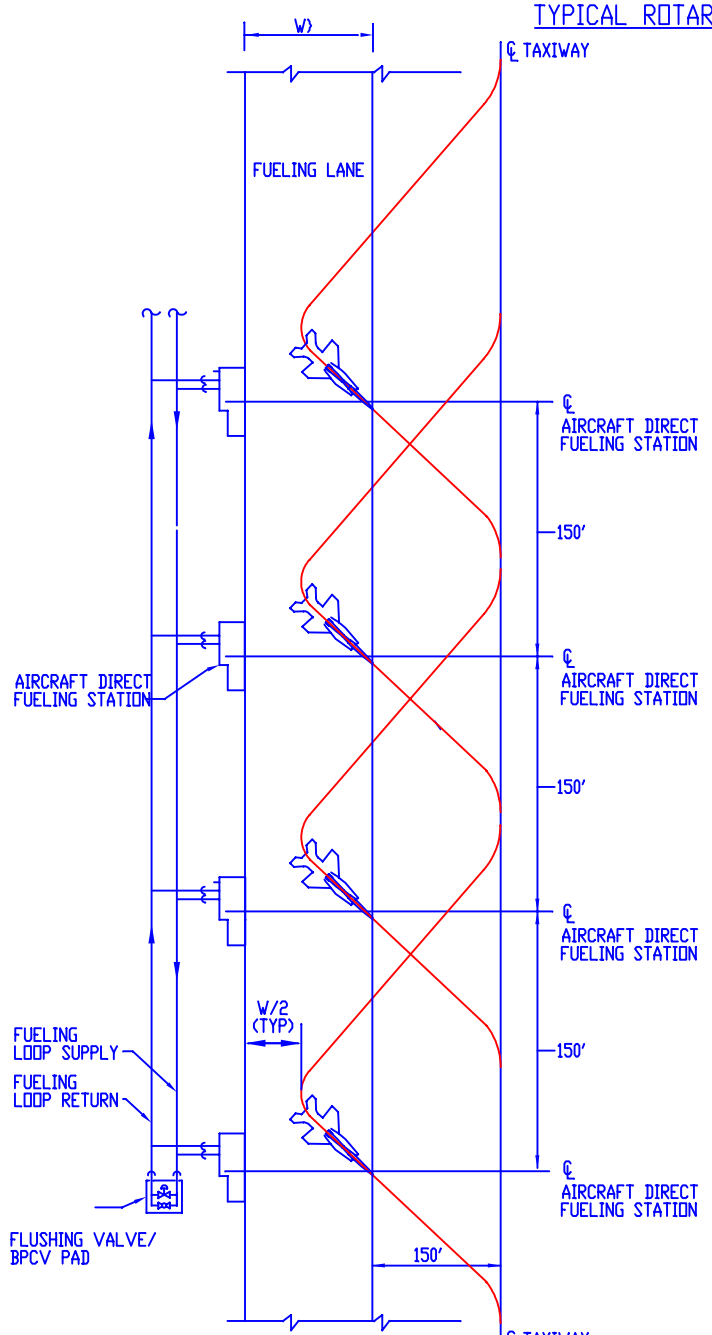
TYPICAL ROTARY WING FUELING LANE ARRANGEMENT



TYPICAL FUELING LANE ARRANGEMENT
FOR CARRIER BASED ACFT
PARALLEL TO TAXIWAY

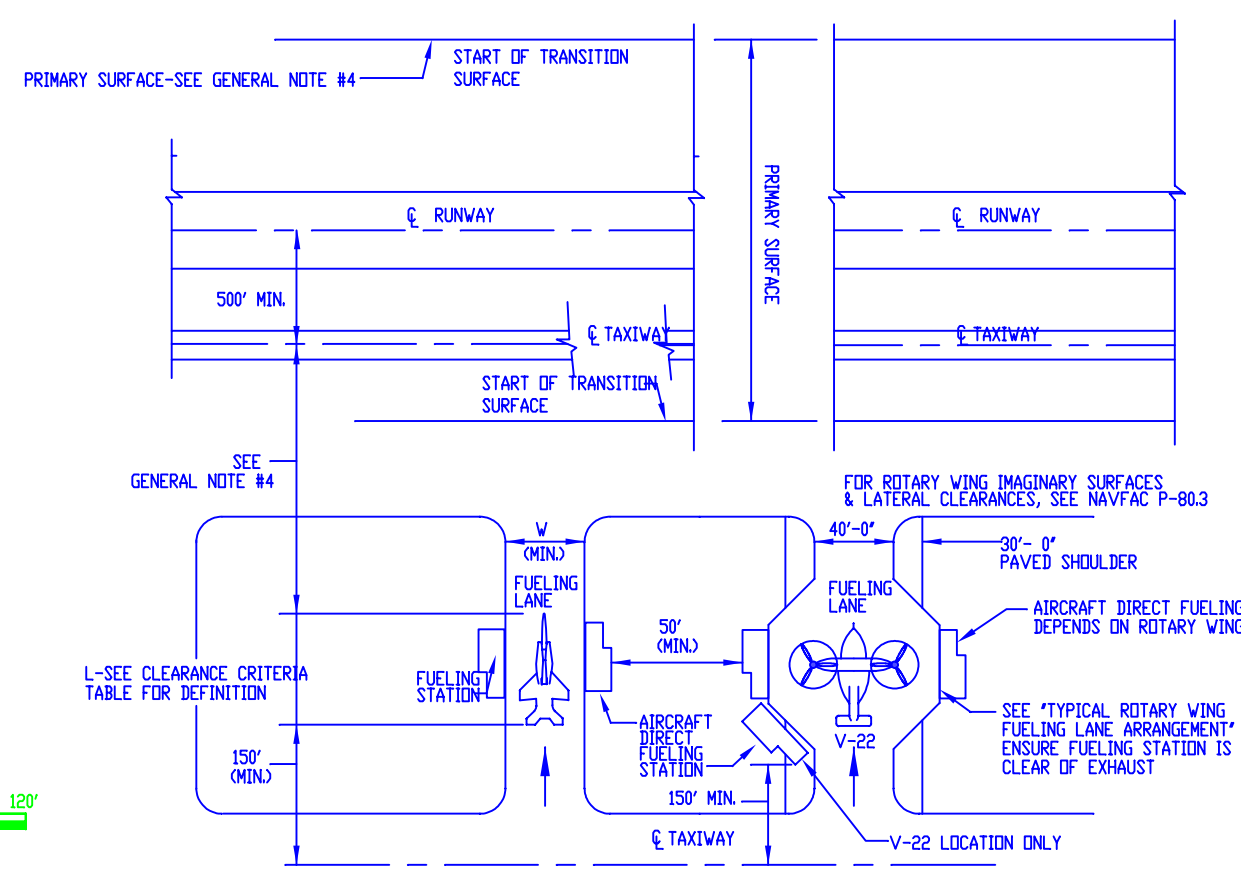
GENERAL NOTES

1. RELATIVE SPACING OF AIRCRAFT TO AIRCRAFT FOR DIRECT FUELING STATION SHALL BE DESIGNATED BY THE COMMAND FUEL FACILITIES ENGINEER.
2. ALL UNDERGROUND PIPING SHALL BE SHOWN ON THE CONTRACT DRAWINGS BOTH IN PLAN AND IN PROFILE.
3. CLEARANCE FROM AIRCRAFT DIRECT FUELING STATION TO INHABITED BUILDINGS TO BE MINIMUM OF 200 FEET. CLEARANCES OTHER THAN THOSE SHOWN SHALL CONFORM TO MIL-HDBK 1022A.
4. ABOVEGROUND REFUELING HARDWARE & PARKED AIRCRAFT SHOULD BE LOCATED SO THAT IT DOES NOT VIOLATE THE PRIMARY SURFACE OR THE TRANSITION SURFACE OF A RUNWAY, THE 100 FEET CLEARANCE FOR A PARKING APRON OR THE 150 FEET CLEARANCE FOR ANY TAXIWAY NOT SPECIFICALLY DEDICATED AS A REFUELING LANE. THE REFUELING AREA SHOULD BE LOCATED SO THAT NO PART OF AN AIRCRAFT RECEIVING FUEL VIOLATES ANY OF THE ABOVE CLEARANCE AREAS. SEE NAVFAC P80.3
5. FUELING LANE WIDTH, W(MIN.) SHOULD BE CONFIRMED WITH EFD AIRFIELD PLANNING SPECIALIST.
6. 75′ (MIN.) FUELING TAXIWAY-CLASS B RUNWAY; 40′ (MIN.) FUELING TAXIWAY-CLASS A RUNWAY.
7. FOR PATROL, LARGE GENERAL PURPOSE AND TRANSPORT, OR SPECIAL MISSION AIRCRAFT, CONCEPT ARRANGEMENTS STILL APPLY; HOWEVER, CONSULT YOUR AIRFIELD PLANNING SPECIALIST OR NAVAL QUARTERS FOR SPACING OF AIRCRAFT DIRECT FUELING STATIONS.

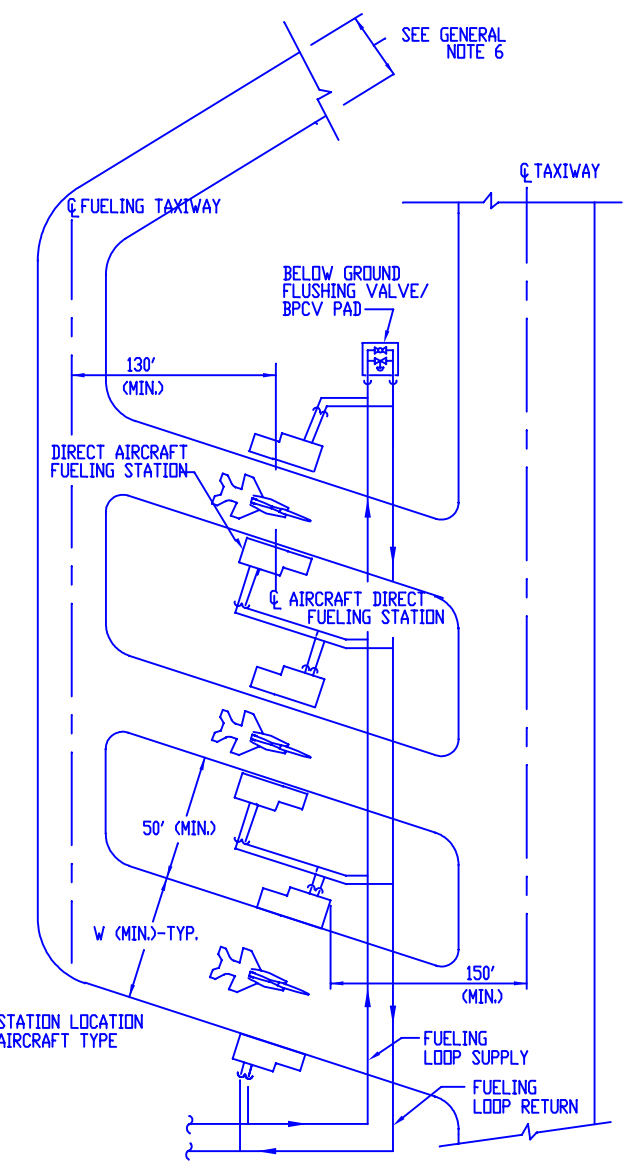


TYPICAL FUELING LANE ARRANGEMENT
FOR CARRIER BASED ACFT
DGE OF APRON OR DIAGONAL TO TAXIWAY ARRANGEMENT

GRAPHIC SCALE



TYPICAL AIRCRAFT DIRECT FUELING STATION
FIXED WING AIRCRAFT AND ROTARY WING-PERPENDICULAR TO TAXIWAY



TYPICAL FUELING LANE ARRANGEMENT
FOR CARRIER BASED ACFT
-DIAGONAL TO TAXIWAY

PARKED AIRCRAFT & EQUIPMENT FOR HOT REFUELING MUST ALSO COMPLY WI
150′ MINIMUM CLEARANCE.)

SYM.	DESCRIPTION	DATE	APP

Robert and Company
Engineers - Architects - Planners
96 Poplar Street, N.W. Atlanta, Georgia 30335-6001

A/E CONTRACT NO. N62467-95-D-1100
APPROVED DATE
ACTIVITY - SATISFACTORY TO
APPROVED DATE
FOR EFD COMMANDER NAVFAC

SEAL
APPROVED
ACTIVITY - SATISFACTORY TO
DATE
APPROVED
FOR EFD FOR COMMANDER NAVFAC
DATE

A/E	EFD
	DESIGN ???
	DRAWN ???
	REVIEW ???
	QC
	CHIEF ARCH/ ENGR.
PROJECT MANAGER ???	
FIRE PROTECTION	
BRANCH MANAGER	
DESIGN DIRECTOR	

NAVAL FACILITIES ENGINEERING COMMAND
DEPARTMENT OF THE NAVY

STANDARD DRAWING

AIRCRAFT DIRECT FUELING SYSTEM

SITE PLANS AND NOTES

CODE ID. NO. 80091 SIZE D
SCALE: SCALE
EFD NO. #######
STA. PROJ. NO. #-####
SPEC. NO. ##-##-####
CONSTR. CONTR. NO.
#######-##-#-#####
NAVFAC DRAWING NO.
########
SHEET ### OF ###