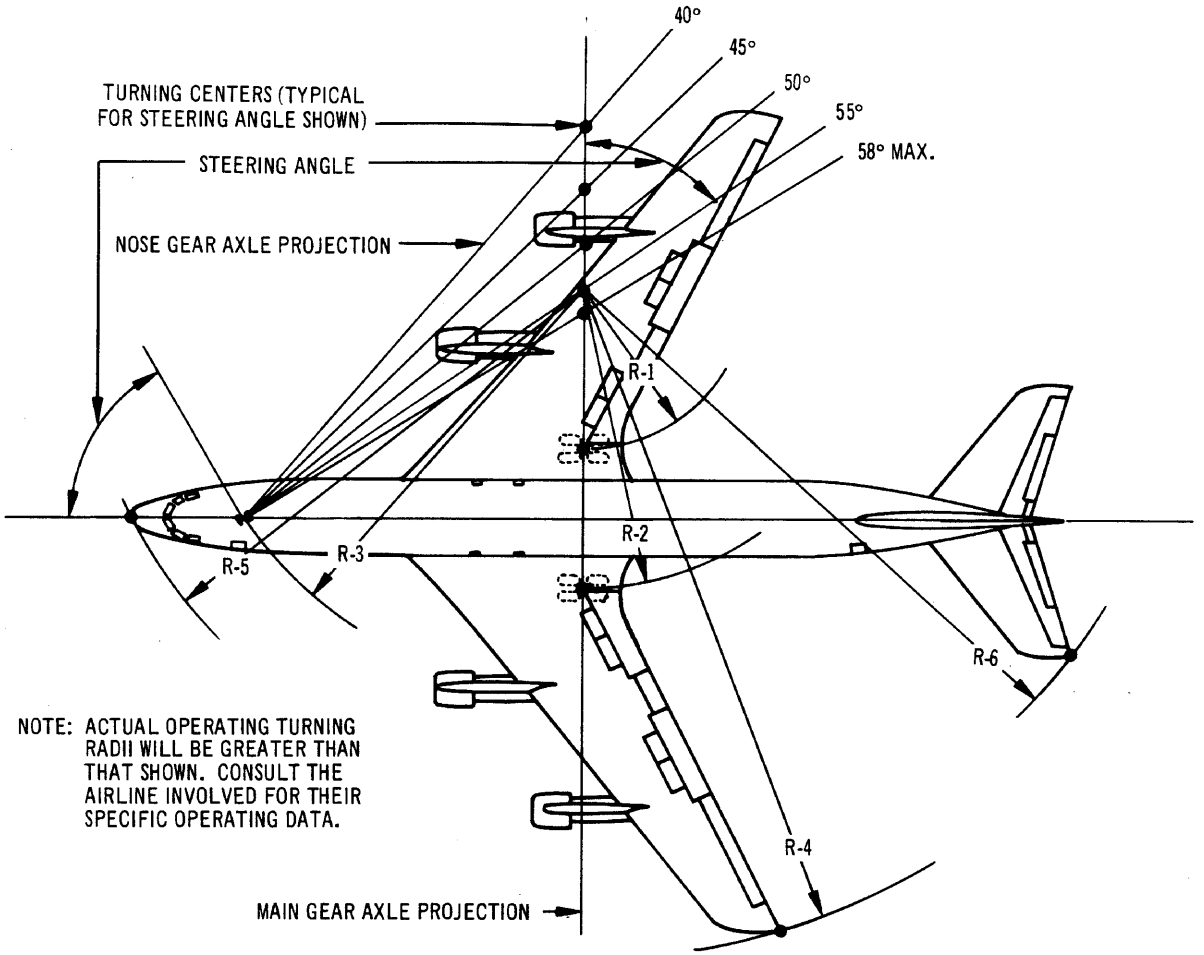
4.0 GROUND MANEUVERING

4.1 Turning Radii

4.2 Runway and Taxiway Turn Paths

4.3 Runway Holding Apron

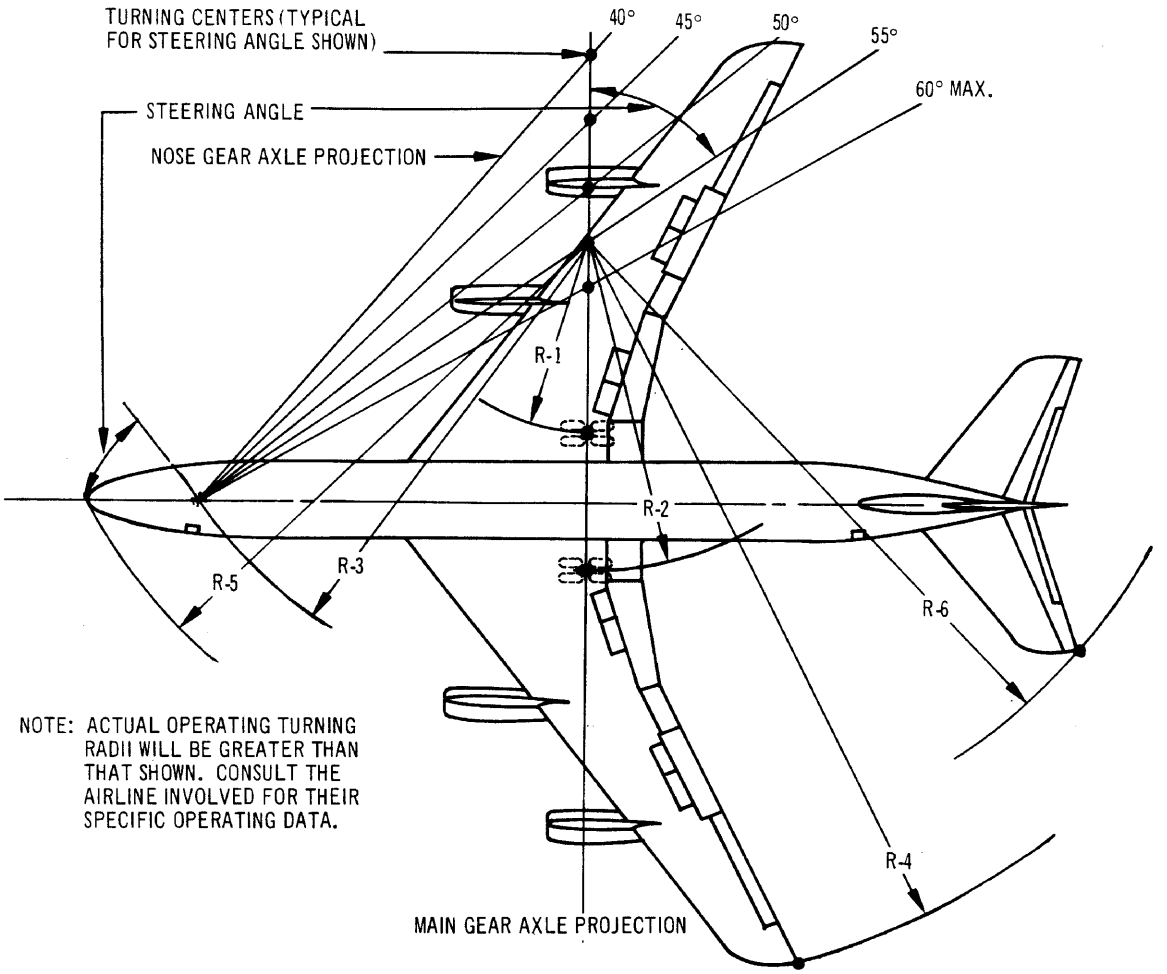
4.4 Minimum Parking Space Requirements



DIMENSIONS ROUNDED TO NEAREST FOOT AND 0.1 METER

STEERING ANGLE (DEGREES)	R-1 INNER GEAR		R-2 OUTER GEAR		R-3 NOSE GEAR		R-4 WING TIP		R-5 NOSE		R-6 TAIL	
	FT	M	FT	M	FT	M	FT	M	FT	M	FT	M
30	80	24.4	102	31.1	105	32	159	48.5	114	34.7	136	41.5
35	64	19.5	86	26.2	91	27.7	143	43.6	102	31.1	123	37.5
40	51	15.5	73	22.3	82	25	132	40.2	94	28.7	113	34.4
45	41	12.5	63	19.2	74	22.6	122	37.2	87	26.5	105	32
50	33	10	55	16.8	68	20.7	113	34.4	82	25	100	30.5
55	26	7.9	48	14.6	65	19.8	107	32.6	79	24.1	95	29
58 MAX	22	6.7	44	13.4	63	19.2	103	31.4	77	23.5	90	27.4

4.1 TURNING RADII - NO SLIP ANGLE
MODEL 707-120B



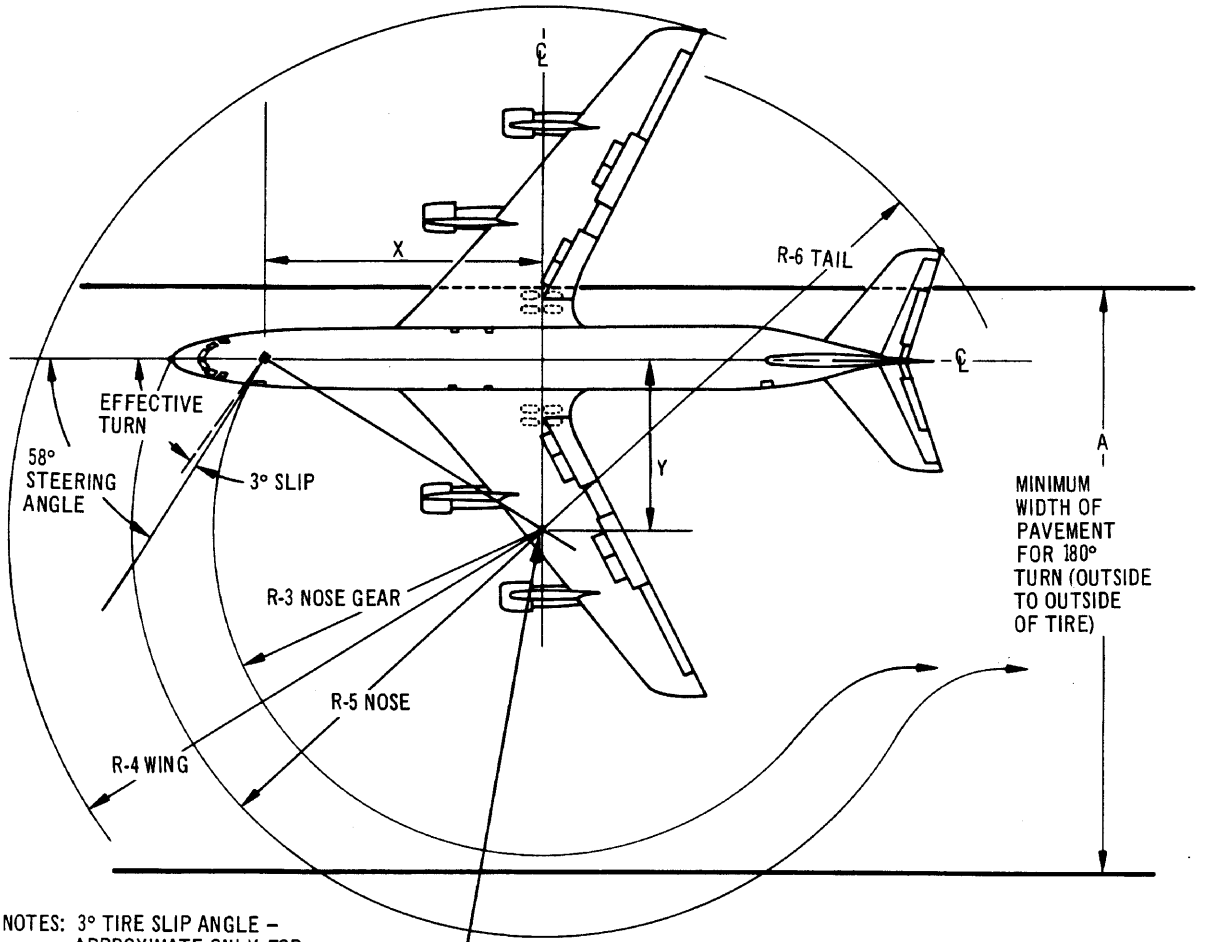
NOTE: ACTUAL OPERATING TURNING RADII WILL BE GREATER THAN THAT SHOWN. CONSULT THE AIRLINE INVOLVED FOR THEIR SPECIFIC OPERATING DATA.

DIMENSIONS ROUNDED TO NEAREST FOOT AND 0.1 METER

STEERING ANGLE (DEGREES)	R-1 INNER GEAR		R-2 OUTER GEAR		R-3 NOSE GEAR		R-4 WING* TIP		R-5 NOSE		R-6 TAIL	
	FT	M	FT	M	FT	M	FT	M	FT	M	FT	M
30	91	27.7	113	34.4	118	36	177	53.9	127	38.7	147	44.8
35	74	22.6	96	29.3	103	31.4	159	48.5	114	34.7	132	40.2
40	60	18.3	82	25.0	92	28	145	44.2	104	31.7	121	36.9
45	48	14.6	70	21.3	84	25.6	134	40.8	97	29.6	112	34.1
50	39	11.9	61	18.6	77	23.5	125	38.1	91	27.7	106	32.3
55	30	9.1	52	15.8	71	21.6	117	35.7	87	26.5	100	30.5
60 MAX	23	7	45	13.7	68	20.7	110	33.5	84	25.6	96	29.3

* ADD 2 FEET, OR 0.6 METERS, FOR -320B AND -320C

TURNING RADII - NO SLIP ANGLE
MODELS 707-320, -320B, -320C, -420



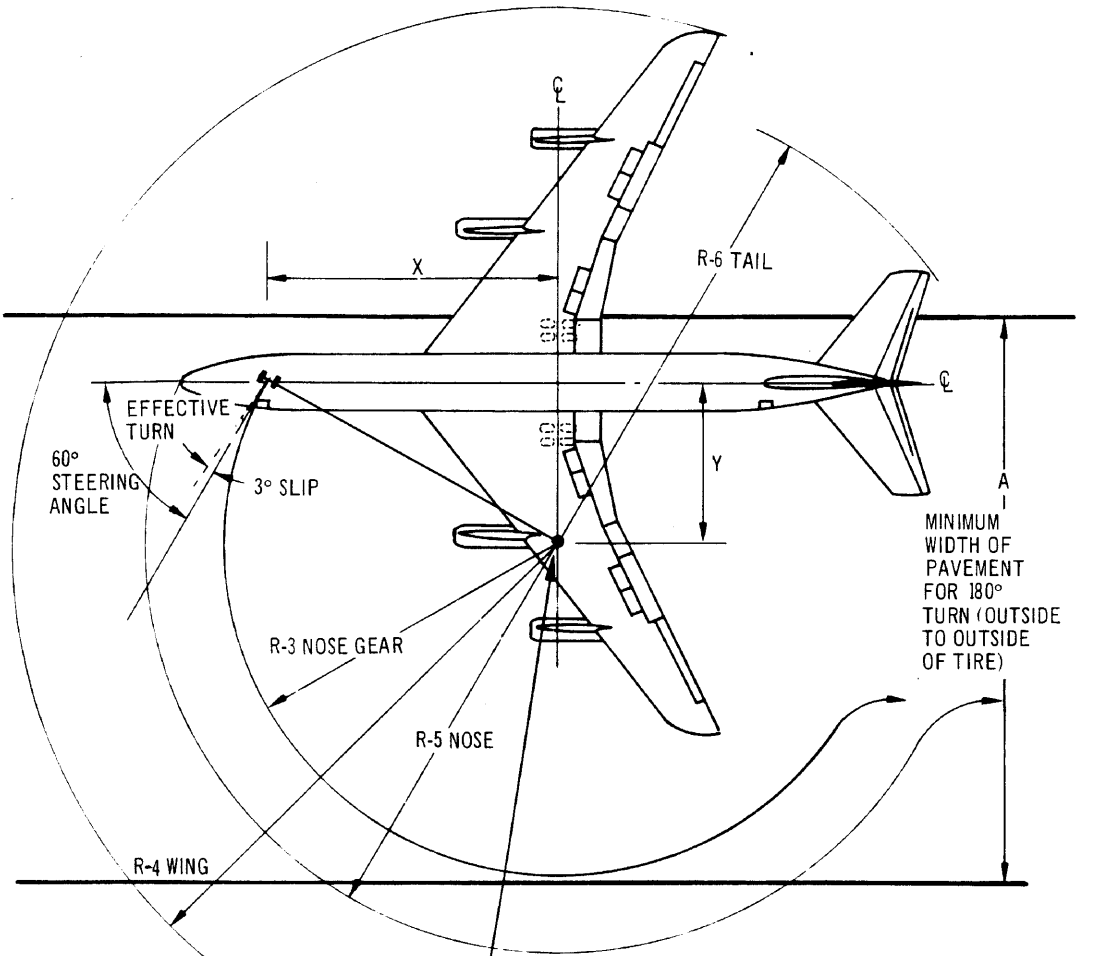
NOTES: 3° TIRE SLIP ANGLE – APPROXIMATE ONLY FOR 58° TURN ANGLE

CONSULT AIRLINE FOR ACTUAL OPERATING DATA

THEORETICAL CENTER OF TURN FOR MINIMUM TURNING RADIUS. SLOW CONTINUOUS TURNING WITH APPROXIMATELY IDLE THRUST ON ALL ENGINES. NO DIFFERENTIAL BRAKING

EFFECTIVE TURN ANGLE 55°	X	Y	A	R-3	R-4	R-5	R-6
FT	52.33	36.6	116.2	65	107	79	95
M	15.95	11.15	35.42	19.8	32.6	24.1	29

MINIMUM TURNING RADII - 3° SLIP ANGLE
MODEL 707-120B



NOTES: 3° TIRE SLIP ANGLE – APPROXIMATE ONLY FOR 60° TURN ANGLE

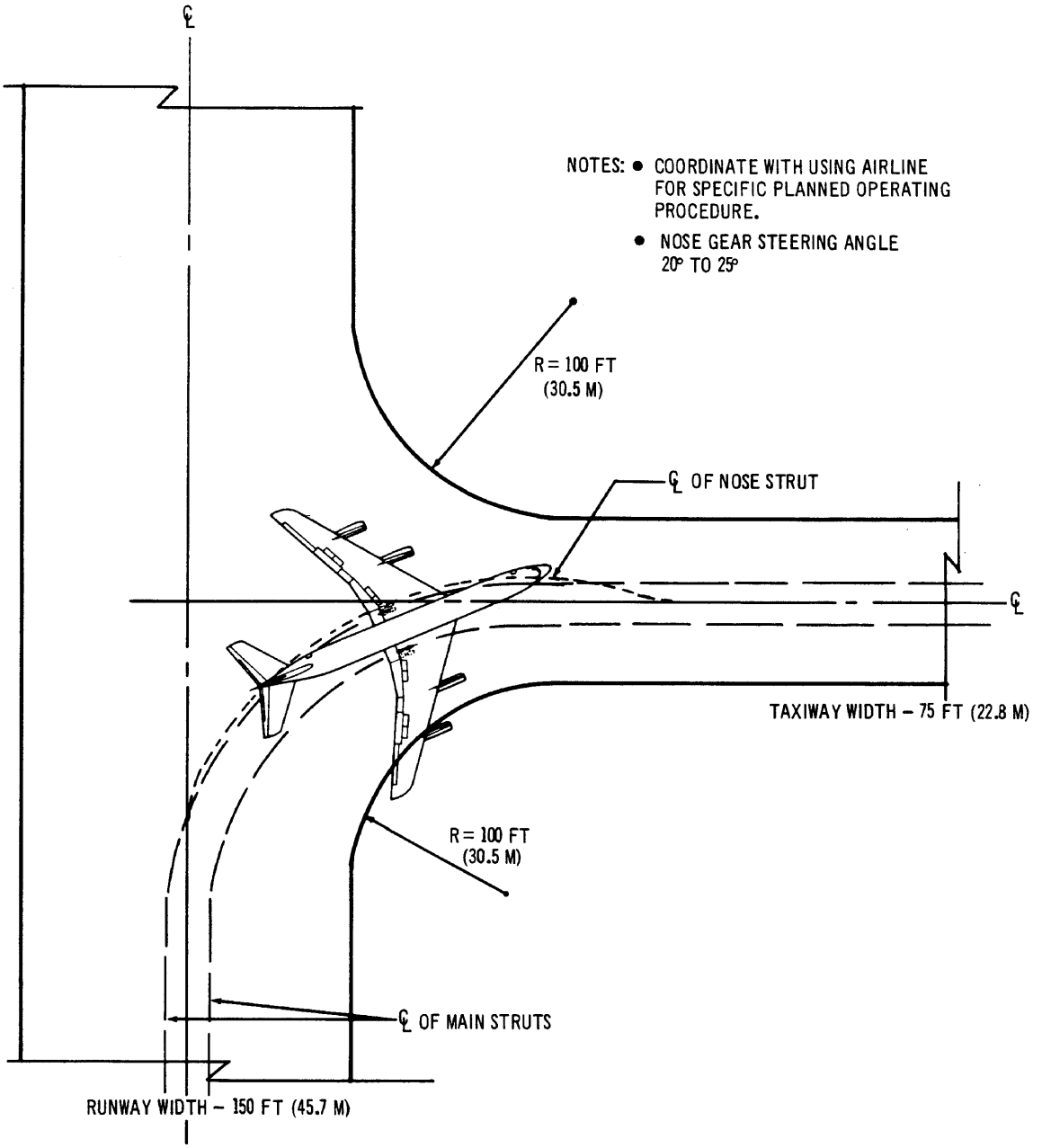
CONSULT AIRLINE FOR ACTUAL OPERATING DATA

THEORETICAL CENTER OF TURN FOR MINIMUM TURNING RADIUS. SLOW CONTINUOUS TURNING WITH APPROXIMATELY IDLE THRUST ON ALL ENGINES. NO DIFFERENTIAL BRAKING

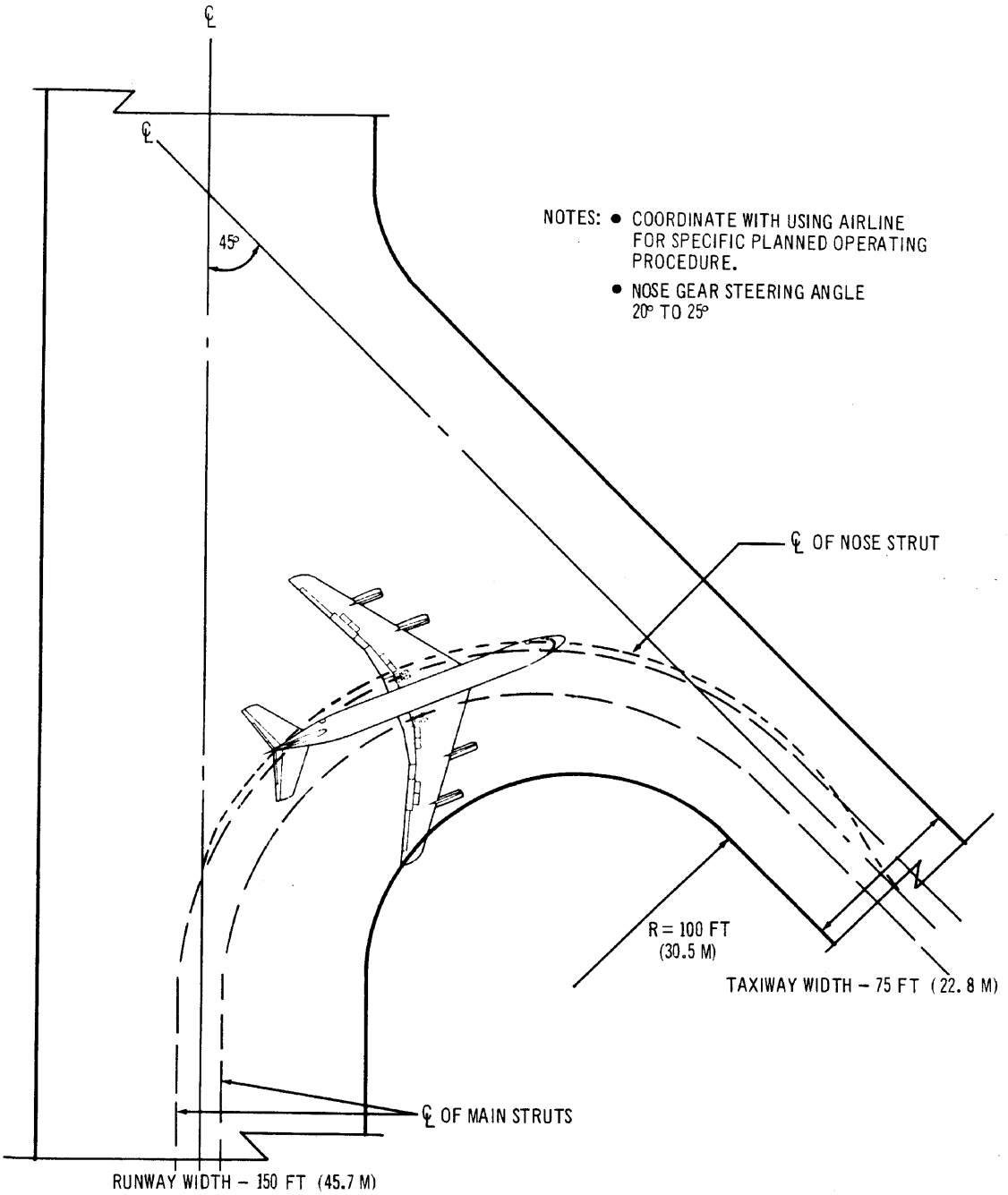
EFFECTIVE TURN ANGLE 57°	X	Y	A	R-3	R-4*	R-5	R-6
FT	59	38.3	123.4	70.5	114	85.5	98
M	17.98	11.68	37.6	21.49	34.7	26.06	29.87

* ADD 2 FEET, OR 0.6 METERS, FOR -320B AND -320C

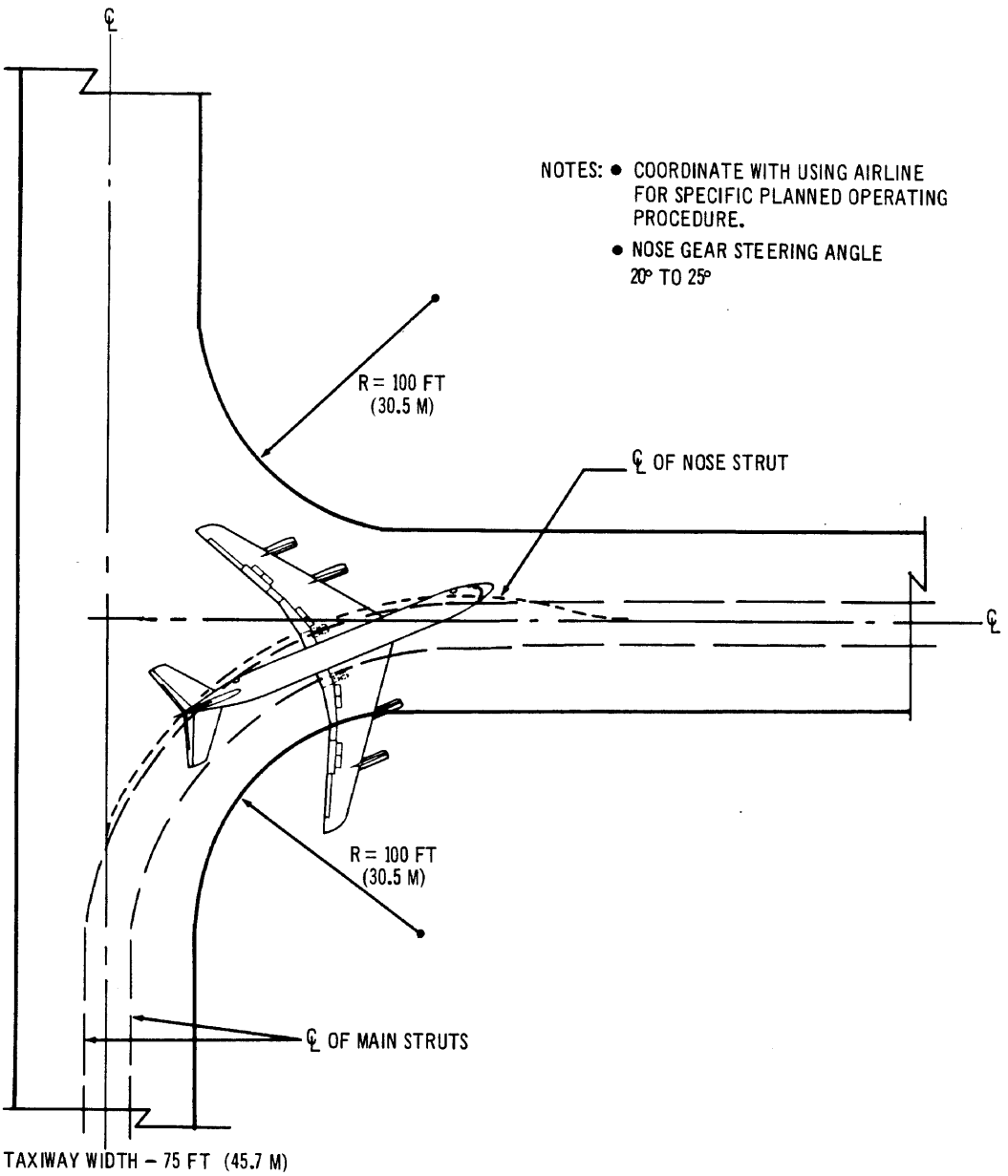
MINIMUM TURNING RADII - 3° SLIP ANGLE
MODELS 707-320, -320B, -320C, -420



4.2 RUNWAY AND TAXIWAY TURN PATHS - 90° TURN RUNWAY TO TAXIWAY MODELS 707-120B, -320B, -320C, -420



RUNWAY AND TAXIWAY TURN PATHS -
RUNWAY TO TAXIWAY TURN - MORE THAN 90°
MODELS 707-120B, -320, -320B, -320C, -420

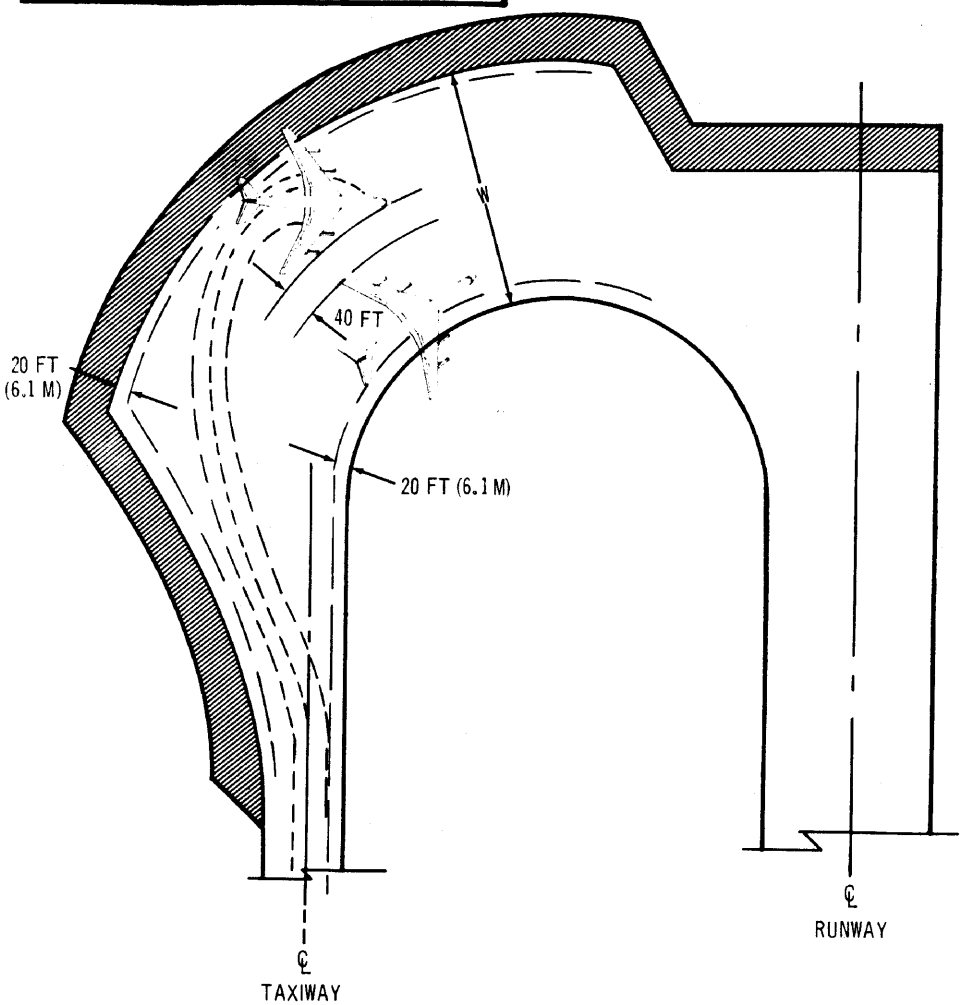


RUNWAY AND TAXIWAY TURN PATHS
TAXIWAY TO TAXIWAY TURN - 90°
MODELS 707-120B, -320, -320B, -320C, -420

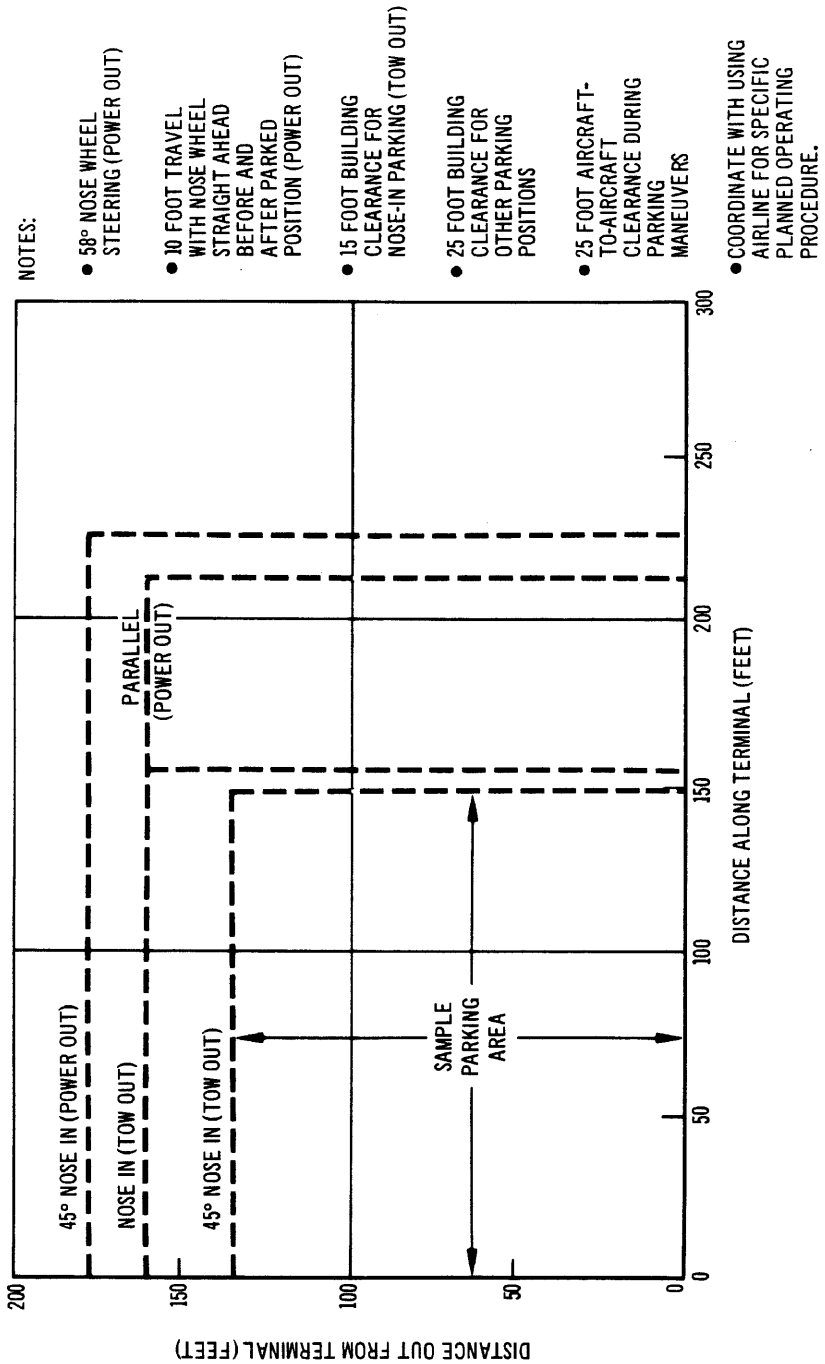
MODEL	WIDTH - W	
707-	FT	M
120B	240	73.15
320/420	254	77.42
320B & C	256	78.03

NOTE: • COORDINATE WITH USING AIRLINE FOR SPECIFIC PLANNED OPERATING PROCEDURE.

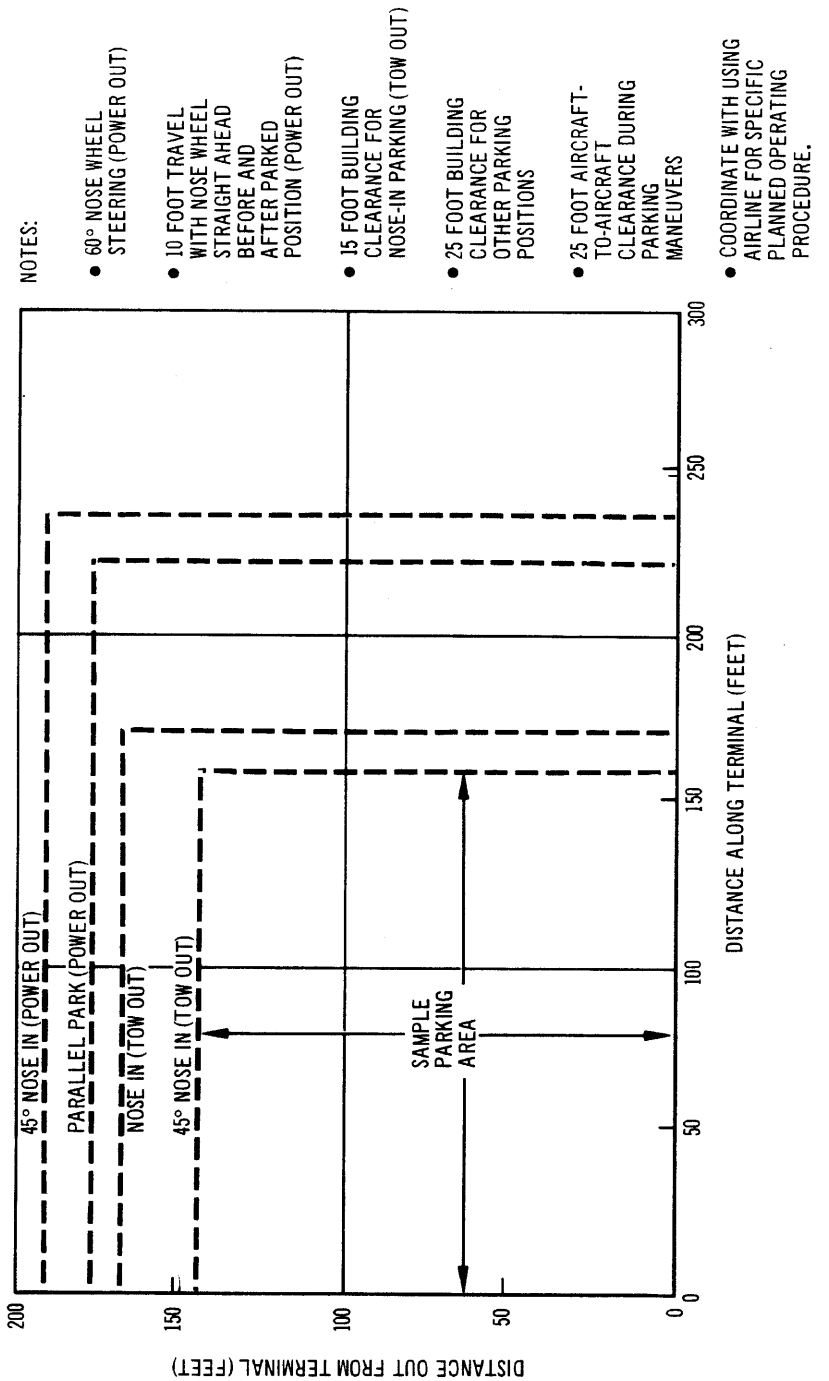
• MINIMUM CLEARANCE FOR MOVING AIRCRAFT = 40 FT (12.1 M)



4.3 RUNWAY HOLDING APRON
MODELS 707-120B, -320, -320B, -320C, -420



4.4 MINIMUM PARKING SPACE REQUIREMENTS
MODEL 707-120B



MINIMUM PARKING SPACE REQUIREMENTS
MODELS 707-320, -320B, -320C, -420

MINIMUM PARKING SPACE REQUIREMENTS - METRIC
MODEL 707-120B

MINIMUM PARKING SPACE REQUIREMENTS - METRIC
MODELS 707-320, -320B, -320C, -420

(Page Intentionally Left Blank)