

FUTURE FACILITY TABLE		
#	DESCRIPTION	TOP ELEV.
A	TWO STORY TERMINAL BUILDING (10,220 SF)	APPROX. 113'
B	STORAGE HANGAR (10,000 SF)	APPROX. 123'
C	T-HANGAR (6-UNIT) (12,960 SF)	APPROX. 104'
D	BOX HANGAR (4 UNIT) (6,120 SF)	APPROX. 113'
E	MAINTENANCE HANGAR (10,000 SF)	APPROX. 123'
F	T-HANGAR (6-UNIT) (7,695 SF)	APPROX. 104'
G	T-HANGAR (6-UNIT) (9,858 SF)	APPROX. 104'
H	BOX HANGAR (3 UNIT) (10,800 SF)	APPROX. 113'

DEVELOPMENT STAGES		
PHASE I	2023-2027	
PHASE II	2028-2032	
PHASE III	2033-2043	
ULTIMATE	2044 +	

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Marion
COUNTY
SOUTH CAROLINA
it's just right!

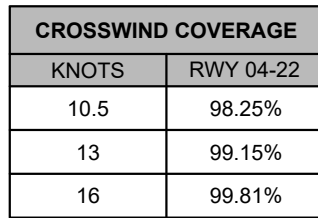
AIRPORT LAYOUT PLAN

AIRPORT LAYOUT
PLAN UPDATE

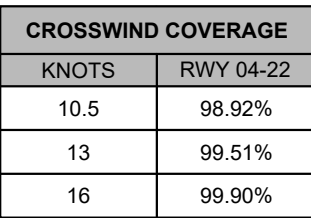
MARION COUNTY AIRPORT



Designed	TGM
Date	JULY 2024
Scale	AS SHOWN
Drawn	TGM
Checked	JAS, JEL
Project No.	3226-2301
Sheet No.	



ALL WEATHER WIND ROSE
SOURCE: NATIONAL WEATHER RECORDS
CENTER: ASHEVILLE, N.C.
STATION: 720608 MARION COUNTY AIRPORT
PERIOD: 2013-2022



IFR WIND ROSE
SOURCE: NATIONAL WEATHER RECORDS
CENTER: ASHEVILLE, N.C.
STATION: 720608 MARION COUNTY AIRPORT
PERIOD: 2013-2022

NATIONAL GEODETIC SURVEY MONUMENT DATA						
PID	DESIGNATION	LATITUDE	LONGITUDE	ELEVATION	TYPE	
AE3560	MAO A	34° 11' 14.05831"	79° 19' 48.53271"	87.8'	SACS	
AS3529	MAO CL END RWY 22	34° 11' 10"	79° 19' 49"			
AS3530	MAO CL END RWY 4	34° 10' 24"	79° 20' 20"			
B21814	TBM 47	34° 11' 24"	79° 20' 51"			
CL0105	M GURLEY	34° 11' 14.09322"	79° 19' 56.98713"	94.4'		
EB0956	V 31	34° 11' 19' 27.52"	79° 19' 58.068"	85.5'		
EB2714	034 009 A2 MK	34° 11' 19' 07.252"	79° 19' 42.47153"	91.9'		
EB2716	034 009	34° 10' 47.13552"	79° 19' 51.48286"	86.8'	SACS	
EB3084	MARKPORT	34° 11' 00.34978"	79° 19' 55.01989"	55.5'	PACS	
EB3085	MARKPORT RUNWAY 04	34° 10' 34"	79° 19' 49"			
EB3086	MARKPORT RUNWAY 22	34° 11' 10"	79° 19' 49"			
EB3125	034 009 RM 1	34° 10' 47"	79° 20' 10"			

RUNWAY DATA TABLE				
ITEM		RUNWAY 04-22		
		EXISTING	ULTIMATE	
RUNWAY DIMENSIONS		4,504' X 100'	5,004' X 100'	
RUNWAY CRITICAL AIRCRAFT		CIRRRUS SR22	KONG AIR 200	
RUNWAY DESIGN CODE (RDC)	04	A-I-4000	B-I-4000	
APPROACH REFERENCE CODE (APRC)	22	A-I-5000	B-I-5000	
	04	B/II/4000	SAME	
	22	B/II/4000	SAME	
DEPARTURE REFERENCE CODE (DPRC)		B/II/4000	SAME	
	04	LAT N 34° 10' 10.38624" LONG. W 79° 20' 20.2228"	LAT N 34° 10' 10.3883" LONG. W 79° 20' 20.6071"	
RUNWAY END COORDINATES	22	LAT N 34° 11' 17.5257" LONG. W 79° 19' 48.7687"	91° AMSL	
RUNWAY END ELEVATION	04	92.4' AMSL	91.2' AMSL	
	22	90.9' AMSL	SAME	
DISPLACED THRESHOLD	04	NONE	SAME	
	22	NONE	SAME	
DISPLACED THRESHOLD COORDINATES	04	N/A	SAME	
	22	N/A	SAME	
DISPLACED THRESHOLD ELEVATION	04	N/A	SAME	
	22	N/A	SAME	
RUNWAY HIGH POINT		92.7' AMSL	SAME	
RUNWAY LOW POINT		89.5' AMSL	SAME	
	04	92.7' AMSL	SAME	
TOUCHDOWN ZONE ELEVATION (TDZE)	22	91.0' AMSL	SAME	
EFFECTIVE GRADIENT		0.033%	0.010%	
RSA DIMENSIONS (LENGTH X WIDTH)	04	240' X 120'	300' X 150'	
(RUNWAY END)	22	240' X 120'	300' X 150'	
ROF A DIMENSIONS (LENGTH X WIDTH)	04	240' X 250'	300' X 500'	
(RUNWAY END)	22	240' X 250'	300' X 500'	
ROFZ DIMENSIONS		4,904' X 250'	5,404' X 250'	
	04	N/A	SAME	
INNER APPROACH OFZ DIMENSIONS	22	N/A	SAME	
	04	N/A	SAME	
PRECISION OFZ DIMENSIONS	04	N/A	SAME	
RPZ DIMENSIONS		1,000' X 1,700' X 1510'		
(INNER WIDTH X LENGTH X OUTER WIDTH)	22	250' X 1,000' X 450'		
FAA PART 77 CATEGORY	04	A (NPI)	C (NPI)	
	22	A (NPI)	C (NPI)	
FAA PART 77 APPROACH SURFACES		500' x 3,000' x 2,000' 201	500' x 10,000' x 3,500' 34.1	
(INNER WIDTH X LENGTH X OUTER WIDTH)	22	500' x 3,000' x 2,000' 20.1	500' x 10,000' x 3,500' 34.1	
ALL WEATHER WIND COVERAGE (10.5/13/16 KTS)		98.25% / 98.15% / 98.91%	SAME	
IFR PARTIAL WIND COVERAGE (10.5/13/16 KTS)		98.92% / 99.51% / 99.90%	SAME	
INSTRUMENT RUNWAYS	04	RNAV	SAME	
	22	RNAV	SAME	
PAVEMENT TYPE		ASPHALT	SAME	
PAVEMENT STRENGTH/GEAR CONFIGURATION (THOUSAND POUNDS)		S-55, D-71, D-12		
PAVEMENT CLASSIFICATION NUMBER (PCN)		215/F/D/OT	SAME	
SURFACE TREATMENT		NONE	SAME	
RUNWAY LIGHTING		MIRL	SAME	
RUNWAY MARKING	04	NON-PRECISION	SAME	
	22	NON-PRECISION	SAME	
ELECTRONIC & VISUAL APPROACH AIDS	04	PAPI-2	SAME	
	22	PAPI-2	SAME	
AERONAUTICAL SURVEY REQUIRED FOR APPROACH		VGS	SAME	

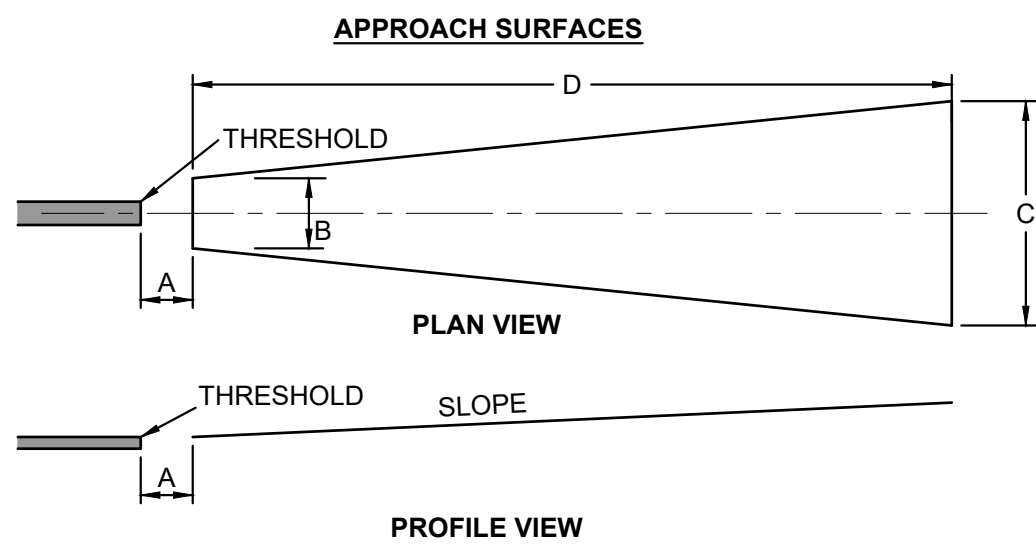
DECLARED DISTANCE TABLE				
	RUNWAY 04		RUNWAY 22	
	EXISTING	ULTIMATE	EXISTING	ULTIMATE
TAKE OFF RUNWAY AVAILABLE (TORA)	4,504'	5,004'	4,504'	5,004'
TAKE OFF DISTANCE AVAILABLE (TODA)	4,504'	5,004'	4,504'	5,004'
ACCELERATE STOP DISTANCE AVAILABLE (ASDA)	4,504'	5,004'	4,504'	5,004'
LANDING DISTANCE AVAILABLE (LDA)	4,504'	5,004'	4,504'	5,004'

EXISTING RUNWAY PROTECTION ZONE (RPZ)					
RUNWAY	INNER WIDTH (W ₁)	LENGTH (L)	OUTER WIDTH (W ₂)	RPZ (ACRES)	INTEREST
04	1,000'	1,700'	1,510'	48,978	FEE
22	260'	1,000'	450'	8,035	FEE

ULTIMATE RUNWAY PROTECTION ZONE (RPZ)					
RUNWAY	INNER WIDTH (W ₁)	LENGTH (L)	OUTER WIDTH (W ₂)	RPZ (ACRES)	INTEREST
04	1,000'	1,700'	1,510'	48,978	FEE
22	260'	1,000'	450'	8,035	FEE

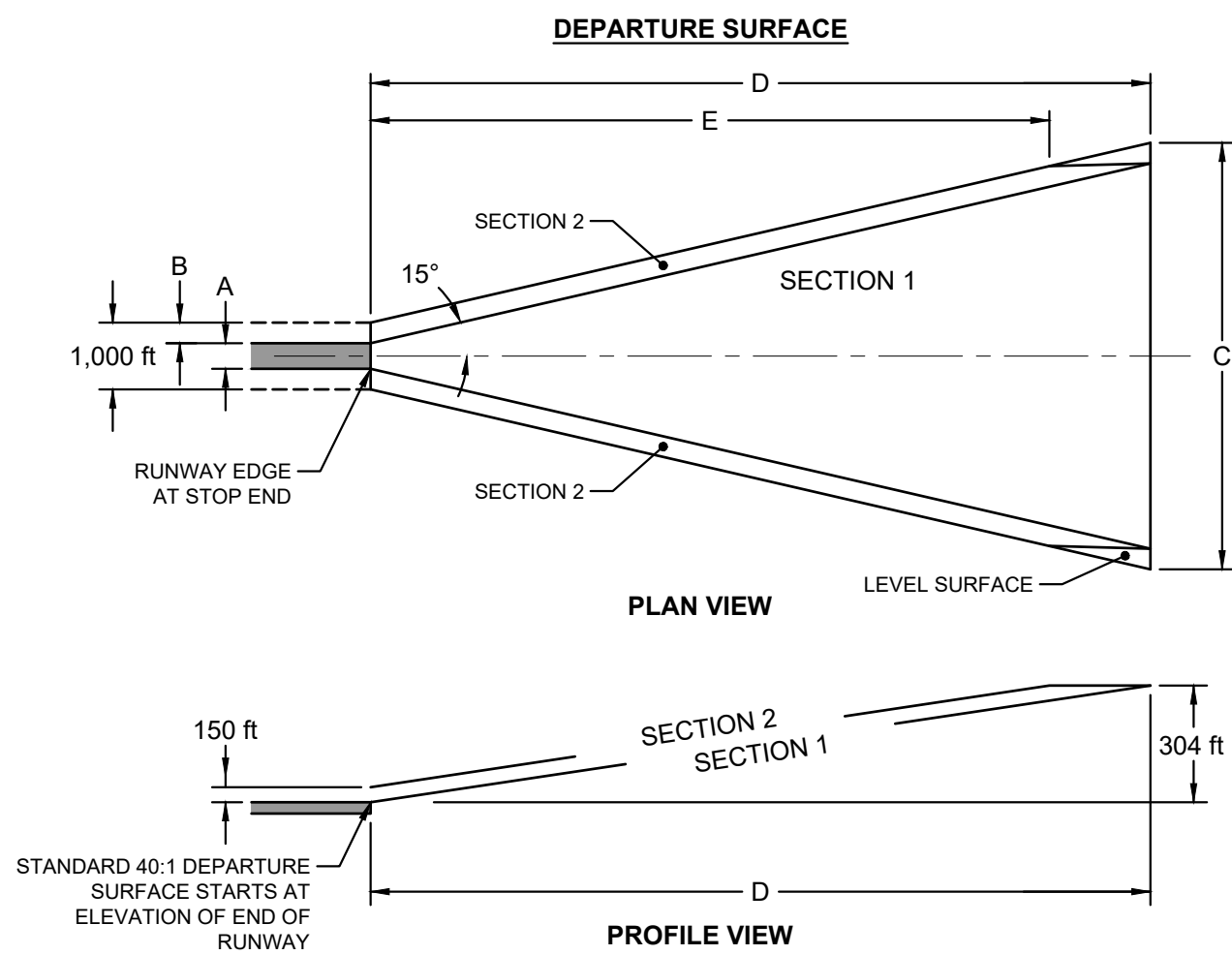
AIRPORT DATA TABLE			
ITEM	EXISTING	ULTIMATE	
FAA ASSET CLASSIFICATION	BASIC	SAME	
NPIAS SERVICE LEVEL	GA	SAME	
SCAC AIRPORT CLASSIFICATION	RECREATION/LOCAL (SCV)	SAME	
AIRPORT ELEVATION (AMSL)	92.7' AMSL	SAME	
AIRPORT REFERENCE POINT (ARP)	LAT. N 34° 11' 52.1978"	LAT. N 34° 10' 50.1608"	
COORDINATES (NAD 83)	LONG. W 79° 20' 04.9907"	LONG. W 79° 20' 06.6830"	
AIRPORT MAGNETIC VARIATION (SOURCE: NOAA NCEI)	8° 45' W (FEB. 2024)	3° W PER YEAR	
MEAN MAXIMUM DAILY TEMPERATURE	91°F (HOTTEST MONTH: JULY)	SAME	
AIRPORT REFERENCE CODE (ARC)	A-1 (SMALL)	B-1 (SMALL)	
AIRPORT CRITICAL AIRCRAFT	CRJRR5 SR22	B-1 (AIRCRAFT 200)	
TAXIWAY LIGHTING	MILT.	SAME	
AIRPORT NAVIGATION AIDS (OWNED BY FAA)	RNAV/GPS	SAME	
MISCELLANEOUS FACILITIES (OWNED BY AIRPORT)	LIGHTED WINDCON. SEG.	SAME	
MISCELLANEOUS FACILITIES (OWNED BY FAA)	CIRCLE. AWOS. PAI-2, BEACON	SAME	

EXISTING TERPS APPROACH THRESHOLD SITING SURFACE (TSS) REQUIREMENTS						
R/W	A	B	C	D	E	SLOPE
04	200'	400'	3,400'	10,000'	0'	20:1
22	200'	400'	3,400'	10,000'	0'	20:1
ULTIMATE TERPS APPROACH THRESHOLD SITING SURFACE (TSS) REQUIREMENTS						
R/W	A	B	C	D	E	SLOPE
04	200'	400'	3,400'	10,000'	0'	20:1
22	200'	400'	3,400'	10,000'	0'	20:1
EXISTING TERPS GLIDE PATH QUALIFICATION SURFACE (GQS) REQUIREMENTS						
R/W	A	B	C	D	E	SLOPE
04	0'	300'	1,520'	10,200'	0'	30:1
22	0'	300'	1,520'	10,200'	0'	30:1
ULTIMATE TERPS GLIDE PATH QUALIFICATION SURFACE (GQS) REQUIREMENTS						
R/W	A	B	C	D	E	SLOPE
04	0'	300'	1,520'	10,200'	0'	30:1
22	0'	300'	1,520'	10,200'	0'	30:1



EXISTING TERPS DEPARTURE SURFACE REQUIREMENTS						
R/W	A	B	C	D	E	SLOPE
04	100'	450'	7.512'	12.152'	6.152'	40:1
22	100'	450'	7.512'	12.152'	6.152'	40:1

ULTIMATE TERPS DEPARTURE SURFACE REQUIREMENTS						
R/W	A	B	C	D	E	SLOPE
04	100'	450'	7.512'	12.152'	6.152'	40:1
22	100'	450'	7.512'	12.152'	6.152'	40:1



LEGEND		
ITEM	EXISTING	ULTIMATE
GROUND CONTOURS		
WOOD AREA		
ROADS (PAVED)		
WATER FEATURE		
FENCE		
AIRPORT BUILDINGS / STRUCTURES		
AIRPORT PAVED AREAS		
AIRPORT PROPERTY LINE (PL)		
RUNWAY OBJECT FREE AREA		
RUNWAY OBSTACLE FREE ZONE		
RUNWAY SAFETY AREA		
RUNWAY PROTECTION ZONE		
BUILDING RESTRICTION LINE		
TAXIWAY OBJECT FREE AREA		
TAXIWAY SAFETY AREA		
THRESHOLD SITING SURFACE/APPROACH SURFACE		
DEPARTURE SURFACE		
PART 77 APPROACH SURFACE		
GLIDE PATH QUALIFICATION SURFACE (GQS)		
PAPI (OCs)		
PAPI (LSCs)		
AIRPORT REFERENCE POINT (ARP)		
NAVAID CRITICAL AREA		
PAVEMENT REMOVAL		

DEVELOPMENT STAGES		
PHASE I	2023-2027	
PHASE II	2028-2032	
PHASE III	2033-2043	
ULTIMATE	2044 +	

FAA DISCLAIMER

THE CONTENTS DO NOT NECESSARILY REFLECT THE OFFICIAL VIEWS OR POLICIES OF THE FAA. THE ACCEPTANCE OF THIS PLAN BY THE FAA DOES NOT IN ANY WAY CONSTITUTE A COMMITMENT ON THE PART OF THE UNITED STATES TO PARTICIPATE IN ANY DEVELOPMENT DEPICTED HEREIN NOR DOES IT INDICATE THAT THE PROPOSED DEVELOPMENT IS ENVIRONMENTALLY ACCEPTABLE IN ACCORDANCE WITH APPROPRIATE PUBLIC LAWS.

NOTES

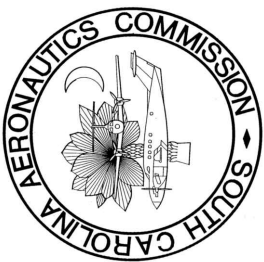
1. ALL LATITUDE/LONGITUDE COORDINATES ARE IN NAD 83, AND ALL VERTICAL ELEVATIONS ARE IN NAVD 88.
2. BASE MAPPING SOURCE: WOOLPERT, FLOWN NOVEMBER 19, 2023.
3. FOR DEPARTURE SURFACE INFORMATION SEE RUNWAY 04-22 DEPARTURE SURFACE - PLAN AND PROFILE (SHEET 13).
4. THERE ARE NO OBJECT FREE ZONE (OFZ) PENETRATIONS.
5. SEE INNER APPROACH SURFACE DRAWINGS (SHEETS 8-10) AND DEPARTURE SURFACE DRAWINGS (SHEETS 13-14) FOR THRESHOLD SITING SURFACE (TSS) PENETRATIONS.
6. RUNWAY MEETS LINE OF SIGHT REQUIREMENTS.
7. AIRPORT SECURITY FENCING IS 10 FEET TALL WITH THREE STRANDS OF BARBED WIRE.
8. BUILDING RESTRICTION LINE (BRL) IS BASED ON A 14.3' BUILDING CLEARANCE.
9. EXISTING / ULTIMATE HOLDING POSITION MARKINGS ARE LOCATED 200' OR MORE FROM RUNWAY 04-22 CENTERLINE.
10. THE EXISTING PART 77 WAS TAKEN FROM THE CURRENT FAA 5010 FORM DATED FEB. 22, 2024.

MODIFICATION OF STANDARDS (MOS)			
NO.	MODIFICATION	WAIVER	DATE
	NONE		

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AIRPORT LAYOUT PLAN DATA SHEET



MARION COUNTY AIRPORT

Designed	TGM
Date	JULY 2024
Scale	AS SHOWN
Drawn	TGM
Checked	JAS, JEL
Project No.	3226-2301
Sheet No.	