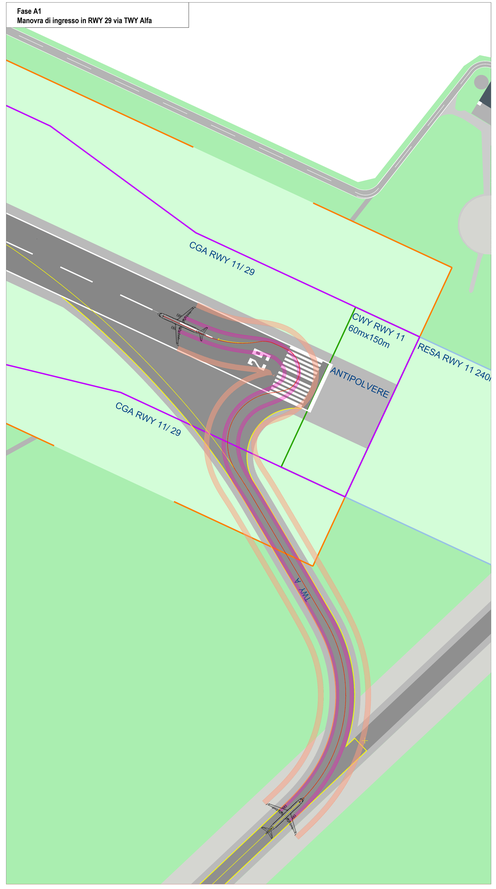
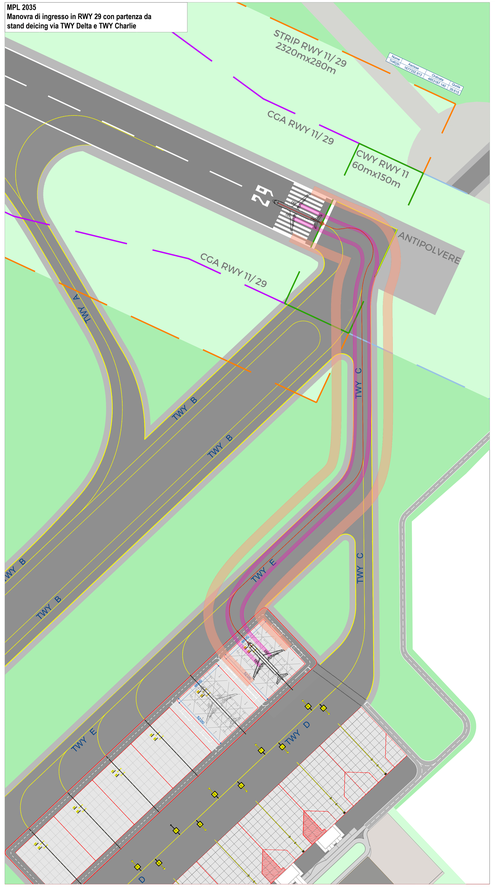
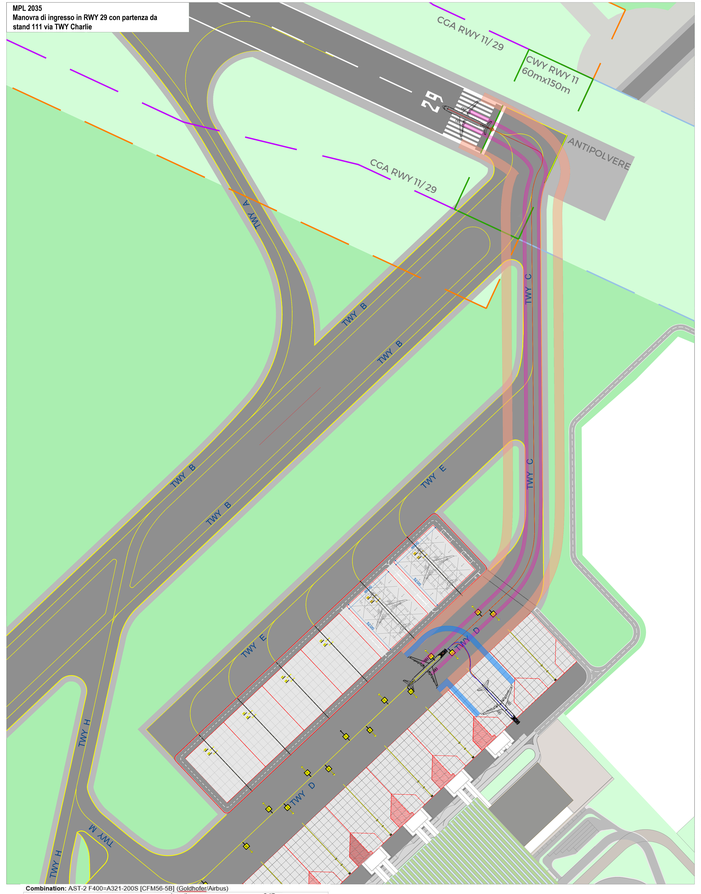
Fase A1
Manovra di ingresso in RWY 29 via TWY Alfa



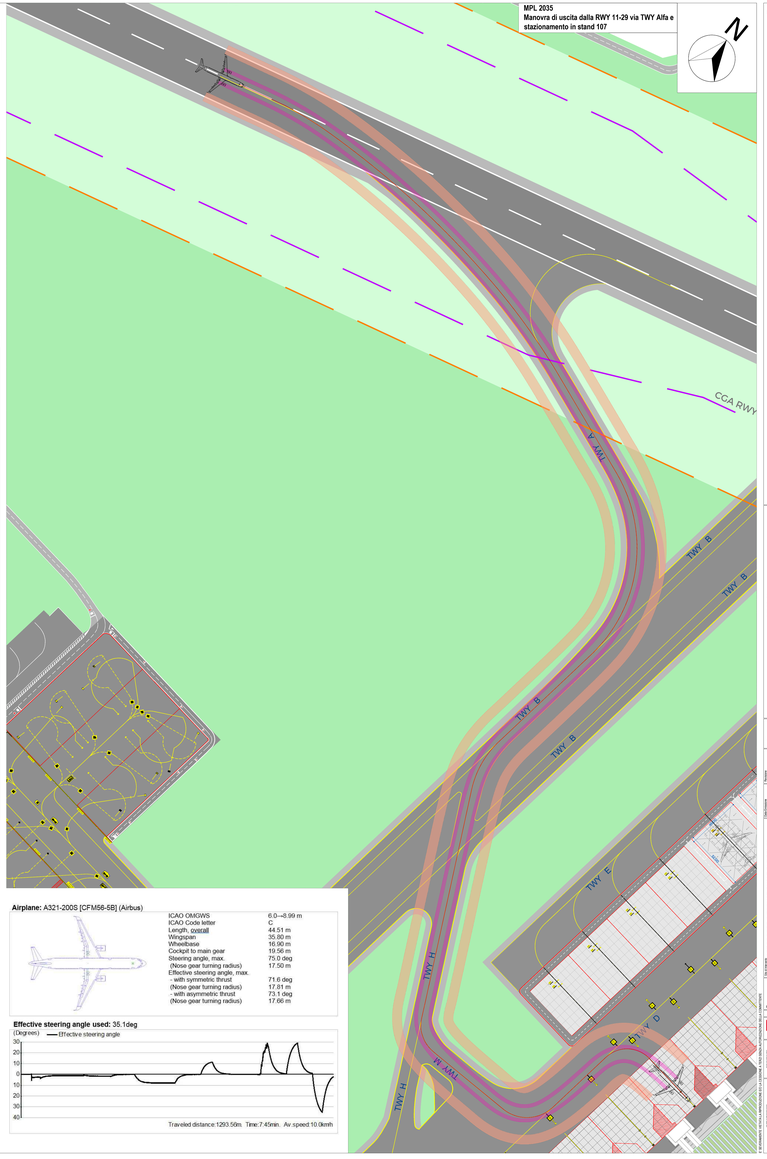
MPL 2035
Manovra di ingresso in RWY 29 con partenza da stand deicing via TWY Delta e TWY Charlie



MPL 2035
Manovra di ingresso in RWY 29 con partenza da stand 111 via TWY Charlie



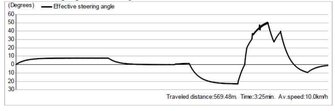
MPL 2035
Manovra di uscita dalla RWY 11-29 via TWY Alfa e stazionamento in stand 107



Airplane: A321-200S [CFM56-5B] (Airbus)

ICAO OMGWS	6.0—8.99 m
ICAO Code letter	C
Length, overall	44.51 m
Wingspan	35.80 m
Wheelbase	16.90 m
Cockpit to main gear	19.56 m
Steering angle, max.	75.0 deg
(Nose gear turning radius)	17.50 m
Effective steering angle, max.	
- with symmetric thrust	71.6 deg
(Nose gear turning radius)	17.81 m
- with asymmetric thrust	73.1 deg
(Nose gear turning radius)	17.66 m

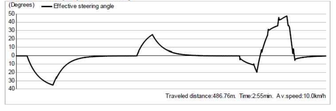
Effective steering angle used: 50.6deg



Airplane: A321-200S [CFM56-5B] (Airbus)

ICAO OMGWS	6.0—8.99 m
ICAO Code letter	C
Length, overall	44.51 m
Wingspan	35.80 m
Wheelbase	16.90 m
Cockpit to main gear	19.56 m
Steering angle, max.	75.0 deg
(Nose gear turning radius)	17.50 m
Effective steering angle, max.	
- with symmetric thrust	71.6 deg
(Nose gear turning radius)	17.81 m
- with asymmetric thrust	73.1 deg
(Nose gear turning radius)	17.66 m

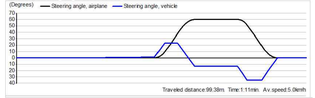
Effective steering angle used: 47.5deg



Combination: AST-2 F400=A321-200S [CFM56-5B] (Goldhofer/Airbus)

Length	8.17 m
Width	3.80 m
Wheelbase	4.56 m
Steering angle, max.	50.8 deg
Lock to lock time	10 sec
ICAO OMGWS	6.0—8.99 m
ICAO Code letter	C
Length, overall	44.51 m
Wingspan	35.80 m
Wheelbase	16.90 m
Cockpit to main gear	19.56 m
Steering angle, max.	75.0 deg
(Nose gear turning radius)	17.50 m
Effective steering angle, max.	
- with symmetric thrust	71.6 deg
(Nose gear turning radius)	17.81 m
- with asymmetric thrust	73.1 deg
(Nose gear turning radius)	17.66 m

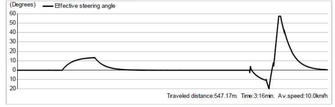
Effective steering angle used: 60.0deg



Airplane: A321-200S [CFM56-5B] (Airbus)

ICAO OMGWS	6.0—8.99 m
ICAO Code letter	C
Length, overall	44.51 m
Wingspan	35.80 m
Wheelbase	16.90 m
Cockpit to main gear	19.56 m
Steering angle, max.	75.0 deg
(Nose gear turning radius)	17.50 m
Effective steering angle, max.	
- with symmetric thrust	71.6 deg
(Nose gear turning radius)	17.81 m
- with asymmetric thrust	73.1 deg
(Nose gear turning radius)	17.66 m

Effective steering angle used: 57.3deg



Airplane: A321-200S [CFM56-5B] (Airbus)

ICAO OMGWS	6.0—8.99 m
ICAO Code letter	C
Length, overall	44.51 m
Wingspan	35.80 m
Wheelbase	16.90 m
Cockpit to main gear	19.56 m
Steering angle, max.	75.0 deg
(Nose gear turning radius)	17.50 m
Effective steering angle, max.	
- with symmetric thrust	71.6 deg
(Nose gear turning radius)	17.81 m
- with asymmetric thrust	73.1 deg
(Nose gear turning radius)	17.66 m

Effective steering angle used: 35.1deg

LEGENDA

- Clearances wingtips aircraft taxiway ICAO cod. C 8,00 m
- Clearances wingtips apron taxiway ICAO cod. C 8,00 m
- Clearances wheels main gear ICAO cod. C 3,00 m
- Front axle center
- Paths nose gear center

REV	DATA	DESCRIZIONE
00	10/2022	Prima Emissione
01		
02		
03		
04		
05		
06		

REVISIONI

REDATTO Ing. Giovanni Bacci Ing. Tommaso Bacci Ing. Lorenzo Bacci	Data Ottobre 2022	
VERIFICATO Ing. Paolo Nardini	Scala di Riferimento 1:5000	
APPROVATO Ing. Paolo Nardini	Nome File TAV. TURN Dir. Grafica: arch.Francesca Lucchesi, Ing. Paolo Nardini	

Committente:
SOCIETÀ AEROPORTO TOSCANO S.P.A.
LOCALITÀ GALILEO GALILEI - 50038 SESTO FIORENTINO (FI)

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Via Cadorna, 7 - 56124 PISA
Ing. Paolo Nardini (Mandante)
Via Giosue Carducci, 40 - 51100 PISTOIA

Oggetto:
AEROPORTO INTERNAZIONALE DI FIRENZE
"AMERIGO VESPUCCI"
MASTERPLAN AEROPORTUALE 2035

Titolo:
Piste di volo 11/29, Taxiway ed Apron
Manovre di Aeromobili - Turning Path

Tavola n° / Sheet n°:
Data / Date:
Scala / Scale:
Disegno n° / Drawing n°:

PROGETTO DI FATTIBILITÀ TECNICO ECONOMICA

Soggetto Promotore:
SOCIETÀ AEROPORTO TOSCANO S.P.A.
LOCALITÀ GALILEO GALILEI - 50038 SESTO FIORENTINO (FI)

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ENAC - ENTE NAZIONALE DI AVIAZIONE CIVILE
VIA SALARIA 716 - 00138 ROMA

Soggetto Gestore:
Toscana Aeroporti
LOCALITÀ GALILEO GALILEI - 50038 SESTO FIORENTINO (FI)

Soggetto Vigilante:
Ministero delle Infrastrutture e dei Trasporti
DIPARTIMENTO PER LA MOBILITÀ SOSTENIBILE
DIREZIONE GENERALE PER LA VIGILANZA SUI SISTEMI DI TRASPORTO
Piazzale Porta Pinciana, 1 - 00198 ROMA

Soggetto Vigilante:
ENAC - ENTE NAZIONALE DI AVIAZIONE CIVILE
DIREZIONE AEROPORTI
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