



virtual group

# fly with me

Standard Operating Procedures  
June 2020 (v2)



## Contents

### Introduction

[Message from the CEO](#)  
[About This Document](#)  
[Distribution](#)  
[Changelog](#)

### Annex A - Start to Finish Flight

[Annex B - Checklists](#)  
[Annex C - Further Resources](#)

### Flying Operations

[Airlines & Hubs](#)  
[Fleet](#)  
[Routes](#)

### Digital Operations

[Slack](#)  
[Crew Center](#)  
[Elevate Program](#)

### Terms of Membership

[Rules & Regulations](#)  
[Code of Conduct](#)  
[Privacy Policy](#)  
[Membership Agreement](#)

### Flying Procedure

[Callsign](#)  
[Rank Structure](#)  
[Air Traffic Control](#)



# Message from the CEO

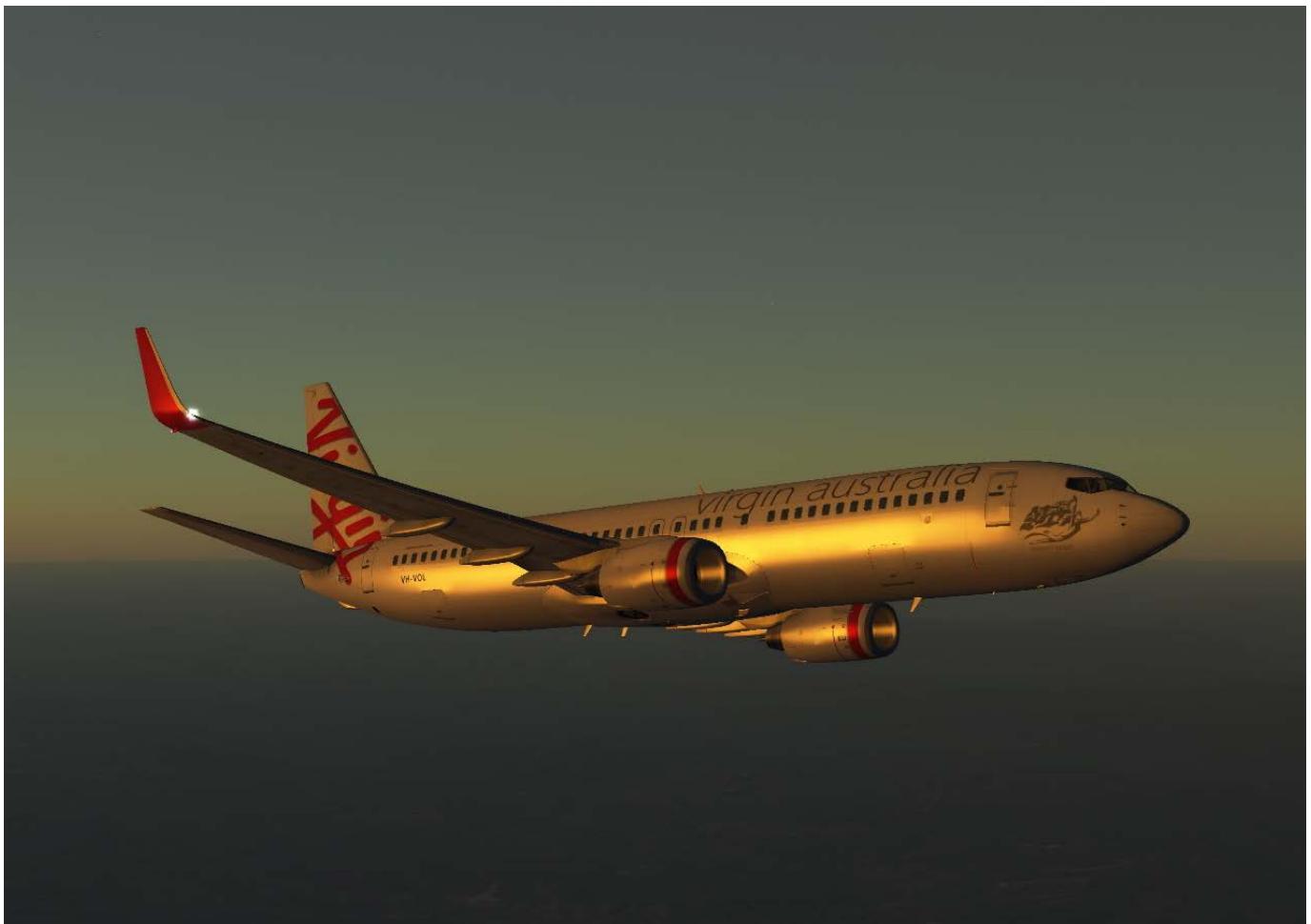
Dear Pilots & Staff,

At the Virgin Virtual Group, we strive to create a unique and welcoming experience for all our pilots. Everything we do is driven by the belief that innovation eventually becomes the norm, and we want to be a step ahead.

Combining Virgin America, Virgin Atlantic and Virgin Australia gives us a truly global network. With VGVA 3.0 we have reimagined everything associated with Virtual Airlines. Pilots no longer need to log flights more than an hour long. As long as they fly with their VGVA Callsign and fly a flight within their rank, the flight is automatically beamed into our database and approved, creating a new frontier.

I hope that you find the same joy in flying for VGVA that I do.

Blue Skies and a Tailwind,  
Kai M (Velocity23)  
Chief Executive Officer



# About this Document

This document contains all the information a VGVA pilot needs to know. It contains VA information, flying information, checklists and tutorials on how to conduct your flight to a professional standard. It is highly recommended that all pilots read through this document in its entirety before conducting their first flight.

# Distribution

This document is only to be distributed through the Virgin Virtual Group Slack.

# Changelog

No changes since Initial Version (May 2020)



# Airlines & Hubs

Airline	Hubs
Virgin America	San Francisco Internal (KSFO), Los Angeles International (KLAX), Dallas Love Field (KDAL)
Virgin Atlantic	London Heathrow (EGLL), London Gatwick (EGKK), London Manchester (EGCC)
Virgin Australia	Brisbane International (YBBN), Sydney Kingsford-Smith (YSSY), Melbourne International (YMMI)

# Fleet

Name	Airline	Routes	Rank Required
Airbus A319	Virgin America	122	Second Officer
Airbus A320		122	First Officer
Airbus A321		122	Senior F/O
Airbus A330	Virgin Atlantic	33	Second Officer
		15	Senior F/O
Airbus A340	Virgin Atlantic	8	Senior F/O
Boeing 737-800	Virgin Australia	102	First Officer
Boeing 747-200*	Virgin Atlantic	16	Senior Captain
Boeing 747-400		18	Captain
Boeing 767*		32	First Officer
Boeing 777-300ER	Virgin Australia	8	Senior F/O
Boeing 787-9	Virgin Atlantic	24	Captain
Embraer E170*	Virgin Australia	102	Captain
Embraer E190*		102	Senior Captain

\* Legacy Fleet

# Routes

Routes are available to view on the Crew Center under Route Database.



# Slack

Slack is our main form of communication at VGVA, and allows pilots to interact, ask questions, view events and more. See below for the use of each channel and our Slash Commands.

## Channels

- #announcements** – Staff only channel where all important information and Weekly Featured Routes are posted. All posts in this channel are tagged with @channel.
- #events-readonly** – This is the channel where all official group flights are posted. Make sure to keep an eye out for one of our many events.
- #groupflights** – This is the place where you can organize flights with your fellow pilots, as well as discussing events and group flights as they are happening.
- #hangout** – In this channel, you can chat about whatever you like, within reason.
- #media** – Photos, videos and the like can be posted here.
- #notams-readonly** – This channel is used for all non-urgent announcements and activity checks. Please note this channel is for staff to post in only.
- #questions** – Any questions you may have can be posted here and a staff member or senior pilot will respond within 36 hours.

## Slash Commands

Slash commands are used by typing the command in the message area on Slack and clicking send. Responses to these commands are visible only to you – the sender.

- /handbook** – Gives the link to this handbook
- /metar [ICAO]** – Where [ICAO] is an ICAO airport code, gives the METAR for said airport.
- /ranks** – Shows the pilot ranks.
- /findroutefrom [ICAO]** – Where [ICAO] is an ICAO airport code, gives all routes from said airport.
- /findrouteto [ICAO]** – Where [ICAO] is an ICAO airport code, gives all routes to said airport.



# Crew Center

The Virgin Virtual Group Crew Center is Custom Made for VGVA and is our main digital asset. Through the Crew Center, pilots can view their information and news, file PIREPs, look up routes, set up the Aircraft Communications Addressing and Reporting System (ACARS) to log flights with ease. Below is a tutorial on how to use each of these features.

## Accessing the Crew Center

The Crew Center is available at [crew.ifvirginvirtual.vip](http://crew.ifvirginvirtual.vip) or via the Log In button on the VGVA Homepage ([ifvirginvirtual.vip](http://ifvirginvirtual.vip)). You should log in with the details you used to apply. If you have any issues with login, please contact @Kai [CEO] on Slack.

## Home Page

Upon logging in, you will be presented with a screen showing you an overview of your profile, as well as a news feed and a list of your Recent PIREPs. No action can be taken from this page.

## Filing a PIREP

Working our way down the menu on the right, the next item is File PIREP. This is the form to use if you have flown a flight but could not or did not use the ACARS Feature (see below). You must enter the date of your flight, flight number, flight time, departure, arrival, and multiplier code (see below) and select your flight type and aircraft.

Multiplier codes are unique and random 6-digit codes distributed by staff to pilots to redeem a flight time multiplier. Often, these are specific to your rank. If you have any questions about Multiplier Codes, contact @Knellered [Chief Pilot] on Slack.

Upon clicking Submit, your PIREP will be added to our queue for review. All PIREPs must be approved by staff to ensure they are valid, so check the home page regularly if you wish to see when your PIREP is approved. Invalid PIREPs will result in a sanction at the discretion of staff.

## My PIREPs

Next in the menu is My PIREPs. This screen shows you all the PIREPs you have filed with VGVA and includes the status of the PIREP.

## Route Database

The Route Database screen allows you to search the Route Database. Routes not available to your rank will not be shown here. To search the database, simply enter some search terms and hit search. The system will return all flights available to your rank that suit your search. If you wish to view all routes available to you, simply leave all search fields blank.

## ACARS

The Aircraft Communications Addressing and Reporting System (ACARS) system is a truly unique and one-of-a-kind function available to VGVA Pilots. This system can interact with Infinite Flight to fetch almost all of the information needed to file a PIREP. To use ACARS, follow these steps.

1. First, fly your flight under your VGVA Callsign.
2. Then, once you're at the gate but not despawned, come here and click the button below.
3. The System will automatically grab your flight details, validate them, and File the PIREP.

For this system to work, you must allow us to fetch your unique User ID from Infinite Flight, and it will prompt you to do this the first time you go to use it.

Please note ACARS is only available for the Expert Server.

## Featured Routes

Each week, a set of featured routes are released. Each day of the week has a set of routes that can be flown to redeem flight time multipliers. This tab of the Crew Center allows you to view these routes and file PIREPs for them, with the multipliers automatically added. Additionally, the Featured Routes are posted in #announcements on Slack each week.

Continued Over Page

## Events

The Virgin Virtual Group hosts frequent events for pilots to fly in a group. Events are posted in #events-readonly on Slack as well as here. In this area you can sign up for events to receive a gate assignment.

## Admin Functions

Staff have access to extra functions to Manage Users, Moderate Recruitment, PIREPs and News and more. Instructions for staff on how to use these functions is found in the Staff Operational Guide, distributed in the private Staff Announcements channel on Slack.

# Elevate Program

The Virgin Virtual Group Elevate Program is a new way for pilots to fly. It is a tiered program whereby pilots earn benefits based on their tier. The tiers are Red, Silver, Gold and Platinum. More information can be found in the tables below.

## Tiers

Tier	Points Required	Weekly Featured Route Multiplier
Red	0	1.5x
Silver	400	2x
Gold	1000	2.5x
Platinum	1500	3x

## Points System

Flight Type	Duration	Points
Regional	< 1hr	5
Short Haul	1-4hrs	10
Medium Haul	4-6hrs	20
Long Haul	6-10hrs	30
Ultra-Long Haul	> 10 hrs	40

# Rules & Regulations

As a member of the Virgin Virtual Group, you agree to abide by the rules following this statement and agree to accept any sanction as a result of not following these rules.

- 1) You must not knowingly provide your login details to any VGVA resource to any party.
- 2) You may not hold more than one account.
- 3) You must provide true information when filing PIREPs, applying, or entering information into any VGVA resource.
- 4) If you are marked as inactive, your account may be terminated.
- 5) All flights must be flown in accordance with the procedures outlined in Annex A.
- 6) Staff Members have the authority to request proof of any flight via logbook screenshot.
- 7) All members must have an active Infinite Flight Community Account.
- 8) All members must be in line with the Infinite Flight and Infinite Flight Community Terms of Service.
- 9) If you are ever approached by someone claiming to be from the Virgin Virtual Group asking for money or personal information, ignore them. We will never request your personal information other than via our website.
- 10) VGVA Staff have the right to remove members at their discretion without notice.
- 11) If you believe your membership has been unfairly revoked, you are permitted to appeal this to the executive team and re-entry is at their discretion.
- 12) Members must follow the policies of the Infinite Flight Virtual Airline Regulatory Board (IFVARB) at all times.

# Code of Conduct

1) Any unacceptable actions as defined in the following list is strictly prohibited

- a. Inappropriate or sexual language
- b. Offensive and/or explicit language
- c. (Cyber)bullying of any kind

When this behaviour is shown by a member they will be dismissed without notice and reported to the IFVARB.

2) Our disciplinary table is shown below for reference

Misconduct	1 <sup>st</sup> Issue	2 <sup>nd</sup> Issue	3 <sup>rd</sup> Issue	4 <sup>th</sup> Issue
Continued unprofessionalism on live server and/or Slack	Unofficial Warning	Official Warning	1 Month Blacklist	6 Month Blalist & IFVARB Notified
Insulting or demeaning speech on any platform	Official Warning	1 Month Blacklist & IFVARB Notified		Permanent Blacklist
Use of vulgar language or emojis on any platform	Official Warning	1 Month Blacklist & IFVARB Notified	6 Month Blacklist	Permanent Blacklist
Discriminatory Language		Permanent Blacklist & IFVARB Notified		

# Privacy Policy

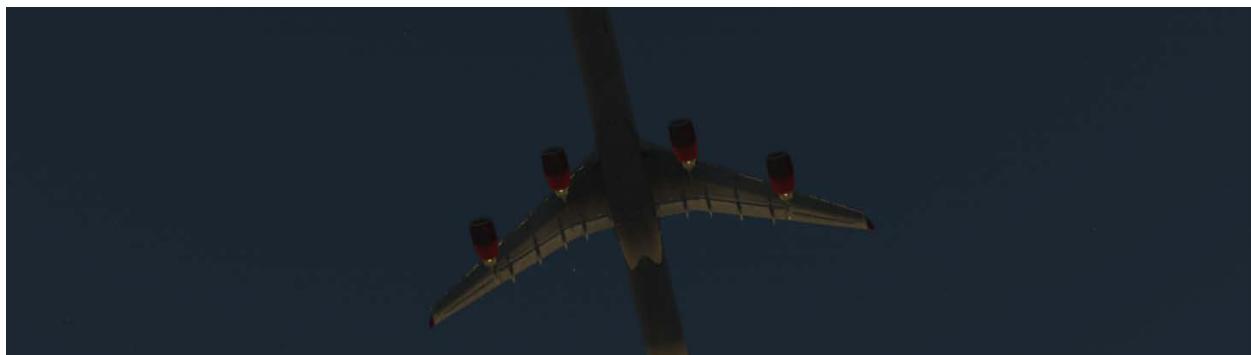
In line with the European Union General Data Protection Regulation, we are required to protect all data collected as part of our application process. Nobody has access to sensitive information such as passwords, less sensitive information such as emails are only accessible by staff and insensitive information such as your Infinite Flight Community Username may be publicly available.

All data collected is voluntarily provided by the member and will never be sold or provided to a third party. You have the right to request to see all the data the Virgin Virtual Group retains, as well as the right to correct any misinformation and to erase all information.

For any privacy concerns or enquiries, contact @Kai [CEO] on Slack.

# Membership Agreement

All members agree by registering to abide by the terms outlined in this section. If any member wishes to withdraw this agreement they must contact @Kai [CEO] on Slack.



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# Callsign

Your callsign is your unique identifier at VGVA. It is to be used at all times when flying for VGVA, should be appended to the end of your Display Name in Slack. If you do not fly with this callsign on a VGVA flight, said flight cannot be logged.

# Rank Structure

Our rank structure controls which aircraft you can fly depending on how many hours you have. See the below table.

Rank Name	Aircraft Available	Hours Required
Second Officer	Virgin America A319, Virgin Atlantic A330, Codeshares	0
First Officer	Virgin Australia 737, Virgin America A320, Virgin Atlantic 767	30
Senior First Officer	Virgin Atlantic A340, Virgin America A321, Virgin Australia 777	85
Captain	Virgin Atlantic 787, Virgin Atlantic 744, Virgin Australia E170, Virgin Atlantic A350	135
Senior Captain	Private Citation X, Virgin Atlantic 747-200, Virgin Australia E190	205
Maiden Voyager	All Aircraft	400
V Best	All Aircraft	1000
Basically Branson	All Aircraft	1800

# Air Traffic Control

Air Traffic Control or ATC is available on the Training and Expert Servers. These services can prove difficult to master for many, but as a general rule, if you want to do something, request it and don't do anything without clearance. Air Traffic Control often attracts high traffic volume, and as such pilots are expected to fly with the utmost professionalism. If you have any questions about ATC, don't hesitate to contact @Kai [CEO] who is an IFATC Specialist.



## Annex A – Start to Finish Flight

# Pushback

After spawning in, listening to ATIS (if applicable) and loading your Flight Plan it's time to push back. The purpose of pushback is to move the aircraft backwards to get it away from the gate and align it with the adjacent area of the Taxiway or Ramp. The steps are shown below.

Step	With ATC	Without ATC
1	Request Pushback – “VGVA123 ready for Pushback with Information X, request runway XX”	No Announcement Required
2	Upon receiving “Pushback Approved”, check the area is clear, push back and align yourself to taxi to the runway you've been told to expect.	Check the area is clear, push back and align yourself with your departure runway.
3	During pushback, start your engines, working right to left (start Engine 2 before Engine 1)	

# Taxi Out

On the taxiway and engines started, you must now get to your departure runway. See the steps below.

Step	With ATC	Without ATC
1	Request Taxi – “VGVA123 ready to taxi to Runway XX with Information X”	Announce Taxi – “VGVA123, taxiing to Runway XX”
2	Upon being told to taxi, gradually increase your power to approx. 15% and release parking brakes. Give way to other aircraft where required.	Gradually increase your power to approx. 15% and release parking brakes. Give way to other aircraft where required.

# Takeoff

You've reached your departure runway and its now time to get airborne! Follow the steps below to get yourself into the air.

Step	With ATC	Without ATC
1	Switch to Tower Frequency when holding short of the Runway	No Frequency Change Required
2	Request Takeoff when First in Line – “VGVA123, ready for takeoff at Runway XX, departing X”	Check the approach and runway is clear then announce takeoff – “VGVA123 is taking off runway XX, departing X”
3	Upon receiving takeoff clearance, turn on Strobe and Landing Lights and increase power to approx. 20% to enter the runway.	Turn on Strobe and Landing Lights and increase power to approx. 20% to enter the runway.

4

Once aligned, gradually increase power to approx. 85-90%. At your rotate speed, gently lift the nose. Once airborne, raise the gear.

## Climb Out

You're in the air! Now its time to climb to your cruise altitude. Follow all instructions of Air Traffic control if they are present. Here's what to do in the climb out with and without ATC.

### With ATC

Instruction	Action
"VGVA123, Frequency Change Approved"	If there is a Departure Frequency active, contact Departure and follow the instructions for Departure below. If not, simply tune out of the Tower Frequency and continue along your flight path.
"VGVA123, Contact Approach 123.4, Good Day"	Respond to the command and tune to the Approach Frequency. When this command is given, Approach is also acting as departure, so request Flight Following or Check in if you wish to follow your flight plan or Request Radar vectors to your destination for a more hands-on experience.
"VGVA123, Contact Departure 123.4, Good Day"	Respond to the command and tune to the Departure Frequency. Request Flight Following or Check in if you wish to follow your flight plan or Request Radar vectors to your destination for a more hands-on experience.

### Without ATC/After Being Handed off from Approach/Departure

If no ATC is present, you may tune out of Unicom once you are airborne. If you have been told "VGVA123, Frequency Change Approved, Good Day" by an Approach or Departure controller, tune out of their frequency.

Once you have done either of these your ascent rate, speed and target altitude are at your discretion. This is normally when you begin to turn on the Autopilot and NAV mode to allow the AP to do the flying for you. Remember, you must not exceed 250kts Airspeed below 10,000 feet.

Ensure you turn off landing lights above 10,000ft.

## Cruise

You've reached your target altitude. Great! You are now all good to leave your device for the duration of the flight, but make sure you know when you need to be back to begin your descent.

## Descent

At your pre-determined Top of Descent (TOD) its time to start moving towards the ground in preparation to land. Descent rate is at your discretion but remember to contact Approach if they are active no sooner than 50NM out and at or below FL180. When on Approach, follow all ATC instructions.

If there is no approach frequency, continue inbound, aiming to be at 3000ft AGL at the end of the "cone" of the approach you intend to fly.

If there is no approach but Tower is active, you must contact Tower no sooner than 25NM out and at or below 10,000ft.

If there is no active ATC at your destination airport, tune to Unicom approx. 25NM out.

Continued Over Page

Air Traffic Control Procedures are shown below.

Action	With Approach & Tower	With Tower Only	No ATC
Contact Approach	50NM out and at or below FL180	N/A	N/A
Request Approach	<i>"VGVA123 is XX NM to the X at XXXXXft, requesting the XX approach runway XX at X."</i>	N/A	N/A
Contact Tower	When Handed Off	25NM out and at or below 10,000ft	N/A
Contact Unicom	N/A	N/A	25NM out and at or below 10,000ft
Call Inbound	After being Handed Off - <i>"VGVA123 is XX NM to the X at XXXXft, inbound on the XX runway X."</i>	After Contacting Tower - <i>"VGVA123 is XX NM to the X at XXXXft, inbound for landing with Info X, request runway XX"</i>	After Contacting Unicom - <i>"VGVA123 is X NM to the X at XXXXft, inbound for landing, will make XX for runway XX"</i>

## Landing

Now you're on final and its time to land. Make sure your gear is down, your flaps are configured and you're at a suitable speed. If there is no ATC, make sure you announce that you're on final. Upon passing the threshold of the runway or just after, cut your throttle to 0% and gently raise the nose for a soft touchdown, applying brakes and reverse thrust once on the ground, then follow these instructions.

Step	With ATC	Without ATC
1	Exit Runway, contact Ground on the taxiway. Respond to message when told. Turn off Strobe and Landing Lights on the taxiway.	Exit the runway and announce clear of all runways. Turn off Strobe and Landing Lights on the taxiway.
2	Request Taxi to Parking then taxi to your parking spot, giving way to other aircraft where required.	Taxi to your parking spot, giving way to other aircraft where required.

## Shutdown

Once you're at the gate, turn off your engines, turn off your Beacon light and turn off the seatbelt sign. Congratulations on another successful flight!



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# Annex B - Checklists

Pre-Start	
Flight Plan	Loaded
Target Altitude	Set
Fuel and Cargo	Loaded
Passengers	Boarded
Navigation Lights	On
Park Brakes	On
<u>Start-Up</u>	
Beacon	On
Engine 4	On (If Req)
Engine 4	10% N1 (If Req)
Engine 3	On (If Req)
Engine 3	10% N1 (If Req)
Engine 2	On
Engine 2	10% N1
Engine 1	On
Engine 1	10% N1
<u>Pre-Taxi</u>	
Engines	20% N1
Taxi Clearance	Received (If Req)
Taxi Announcement	Made (If Req)
Park Brakes	Off
<u>Pre-Takeoff</u>	
Park Brakes	On
Flaps	Set Takeoff
Trim	Set Takeoff
Takeoff Clearance	Received (If Req)
Takeoff Announcement	Made (If Req)
Park Brakes	Off
Strobes	On
Landing Lights	On
<u>Climb Out</u>	
Gear	Up
Flaps	Set (As Req)
Speed	Not Above 250KIAS Below FL100
ATC	Monitoring
Vertical Speed	Set (As Desired)
Altitude	Activated (As Desired)
LNAV	Activated (As Desired)
<u>Cruise</u>	
Trim	Set
Speed	Set
Fuel	Monitoring
<u>Descent</u>	
Landing Lights	On
Vertical Speed	Set
Speed	Set
Target Altitude	Set
ATC	Monitoring
Fuel	Monitoring
Speed	Not Above 250KIAS Below FL100
<u>Pre-Landing</u>	
Speed	Set Landing
Flaps	Full
Gear	Down
Landing Clearance	Received
ATC	Monitoring

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<u>Shutdown</u>		
Engines		Off
Beacon		Off
Strobes		Confirm Off
Landing Lights		Confirm Off
Seatbelts		Off



## AIRCRAFT OPERATING GUIDES



FLEET INFORMATION



## AIRCRAFT PERFORMANCE & PARAMETERS

BOEING 787-9

MTOW: 252,650 kg (557,000 lb)  
MLW: 192,776 kg (425,000 lb)

VMO/MMO Velocity/Mach  
Max Operating Speed: Mach 0.90  
(690mph/ 600kts)

Max Ceiling: 43,100ft

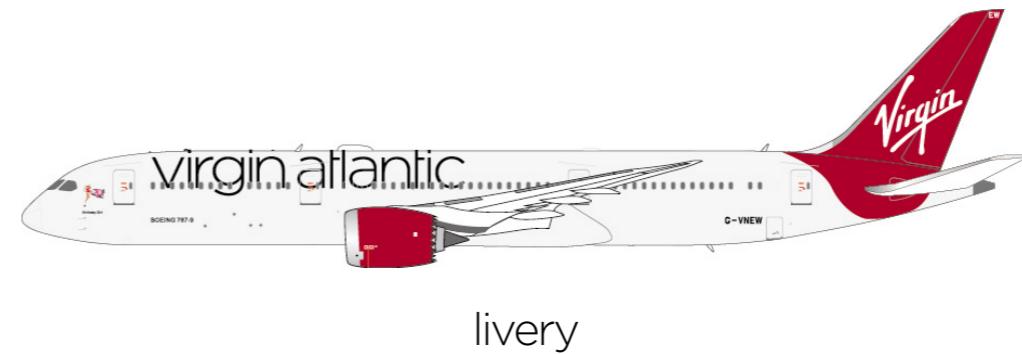
Cruise Speed IAS/Mach  
Mach 0.87 (667mph/580kts)

Range: 7,635nmi - 8,768mi

Rotate Speed: 158kts  
Auto Throttle Speed : 200KIAS  
Do NOT Exceed 250KIAS under FL 100.

Approach: KIAS: 180kts  
ROD: 800 ft/min

Landing Speed : (KIAS): 145- 160kts



livery



## AIRCRAFT PERFORMANCE & PARAMETERS

AIRBUS A340-600

MTOW: 368,000 kg (529,000 lb)  
MLW: 259,000 kg (570,000 lb)

VMO/MMO Velocity/Mach  
Max Operating Speed: Mach 0.86  
(659mph/ 573kts)

Max Ceiling: 41,450ft

Cruise Speed IAS/Mach  
Mach 0.83 (636mph/553kts)

Range: 7,883nmi

Rotate Speed: 155-175kts  
Auto Throttle Speed : 200KIAS  
Do NOT Exceed 250KIAS under FL 100.

Approach: KIAS: 180kts  
ROD: 800 ft/min

Landing Speed : (KIAS): 140-165kts



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## AIRCRAFT PERFORMANCE & PARAMETERS

AIRBUS A330-300

MTOW: 233,000kg (513,677lb)  
MLW: 182,000kg (401,241lb)

VMO/MMO Velocity/Mach  
Max Operating Speed: Mach 0.86  
(659mph/ 573kts)

Max Ceiling: 41,450ft

Cruise Speed IAS/Mach  
Mach 0.82 (629mph/546kts)

Range: 5,670nmi

Rotate Speed: 155kts  
Auto Throttle Speed : 200KIAS  
Do NOT Exceed 250KIAS under FL 100.

Approach:KIAS: 180kts  
ROD: 800 ft/min

Landing Speed : (IAS): 125-140 kts



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## AIRCRAFT PERFORMANCE & PARAMETERS

BOEING 747-400

MTOW: 412,770kg (910,000lb)  
MLW: 295,743kg (652,000lb)

VMO/MMO Velocity/Mach  
Max Operating Speed: Mach 0.92  
(705mph/ 613kts)

Max Ceiling: 45,100ft

Cruise Speed IAS/Mach  
Mach 0.86(659mph/573kts)

Range: 8357nmi

Rotate Speed: 155-170kts  
Auto Throttle Speed : 200KIAS  
Do NOT Exceed 250KIAS under FL 100.

Approach:KIAS: 180kts  
ROD: 800 ft/min

Landing Speed : (IAS): 140-155kts



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FLEET INFORMATION



## AIRCRAFT PERFORMANCE & PARAMETERS

BOEING 777-300

MTOW: 299,370kg (660,000lb)  
MLW: 237,680kg (524,000lb)

VMO/MMO Velocity/Mach  
Max Operating Speed: Mach 0.87  
(667mph/ 580kts)

Max Ceiling: 43,100ft

Cruise Speed IAS/Mach  
Mach 0.84

Range: 6922nmi

Rotate Speed: 145 - 185kts  
Auto Throttle Speed : 200KIAS  
Do NOT Exceed 250KIAS under FL 100.

Approach:KIAS: 200 - 180kts  
ROD: 800 ft/min

Landing Speed : (IAS): 141-165 kts



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## AIRCRAFT PERFORMANCE & PARAMETERS

BOEING 737-800

MTOW: 78,245kg (172,500lb)  
MLW: 65,317kg (144,000lb)

VMO/MMO Velocity/Mach  
Max Operating Speed: Mach 0.82  
(588mph/ 511kts)

Max Ceiling: 41,000ft

Cruise Speed IAS/Mach  
Mach 0.78

Range: 4000nmi

Rotate Speed: 145 - 155kts  
Auto Throttle Speed : 200KIAS  
Do NOT Exceed 250KIAS under FL 100.

Approach Speed KIAS: 180kts  
ROD: 800 ft/min

Landing Speed : (IAS): 121-140 kts



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FLEET INFORMATION



## AIRCRAFT PERFORMANCE & PARAMETERS

AIRBUS A320-200

MTOW: 77,000kg (169,756lbs)  
MLW: 64,500kg (142,198lbs)

VMO/MMO Velocity/Mach  
Max Operating Speed: Mach 0.88  
(675mph/ 586kts)

Max Ceiling: 39,800ft

Cruise Speed IAS/Mach  
Mach 0.86  
(659mph/573kts)

Range: 3,542nmi

Rotate Speed: 145 - 155kts  
Auto Throttle Speed : 200KIAS  
Do NOT Exceed 250KIAS under FL 100.

Approach Speed KIAS: 180kts  
ROD: 800 ft/min

Landing Speed : (IAS): 121-140kts



livery



## AIRCRAFT PERFORMANCE & PARAMETERS

AIRBUS A319

MTOW: 75,500kg (166,449lb)

MLW: 61,000kg (134,482lb)

VMO/MMO Velocity/Mach

Max Operating Speed: Mach 0.82  
(562mph/ 488kts)

Max Ceiling: 41,100ft

Cruise Speed IAS/Mach

Mach 0.78  
(598mph/520kts)

Range: 4,226nmi

Rotate Speed: 145kts

Auto Throttle Speed : 200KIAS

Do NOT Exceed 250KIAS under FL 100.

Approach:KIAS: 180kts

ROD: 800 ft/min

Landing Speed : (IAS): 125-140 kts



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## AIRCRAFT PERFORMANCE & PARAMETERS

AIRBUS A321

MTOW: 93,000kg (205,030lb)

MLW: 77,800kg (171,519lb)

VMO/MMO Velocity/Mach

Max Operating Speed: Mach 0.82  
(562mph/ 488kts)

Max Ceiling: 39,800ft

Cruise Speed IAS/Mach

Mach 0.78  
(598mph/520kts)

Range: 3,480nmi

Rotate Speed: 150kts

Auto Throttle Speed : 200KIAS

Do NOT Exceed 250KIAS under FL 100.

Approach:KIAS: 180kts

ROD: 800 ft/min

Landing Speed : (IAS): 130-140 kts



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## AIRCRAFT PERFORMANCE & PARAMETERS

BOEING 737-900

MTOW: 85,130kg (187,679lb)  
MLW: 66,361kg (146,300lb)

VMO/MMO Velocity/Mach  
Max Operating Speed: Mach 0.82  
(588mph/ 511kts)

Max Ceiling: 41,000ft

Cruise Speed IAS/Mach  
Mach 0.78

Range: 3,200nmi

Rotate Speed: 145 - 155kts  
Auto Throttle Speed : 200KIAS  
Do NOT Exceed 250KIAS under FL 100.

Approach Speed KIAS: 180kts  
ROD: 800 ft/min

Landing Speed : (IAS): 121-140 kts



livery



FLEET INFORMATION



## AIRCRAFT PERFORMANCE & PARAMETERS

AIRBUS A319

MTOW: 75,500kg (166,449lb)

MLW: 61,000kg (134,482lb)

VMO/MMO Velocity/Mach

Max Operating Speed: Mach 0.82  
(562mph/ 488kts)

Max Ceiling: 41,100ft

Cruise Speed IAS/Mach

Mach 0.78  
(598mph/520kts)

Range: 4,226nmi

Rotate Speed: 145kts

Auto Throttle Speed : 200KIAS

Do NOT Exceed 250KIAS under FL 100.

Approach:KIAS: 180kts

ROD: 800 ft/min

Landing Speed : (IAS): 125-140 kts



livery



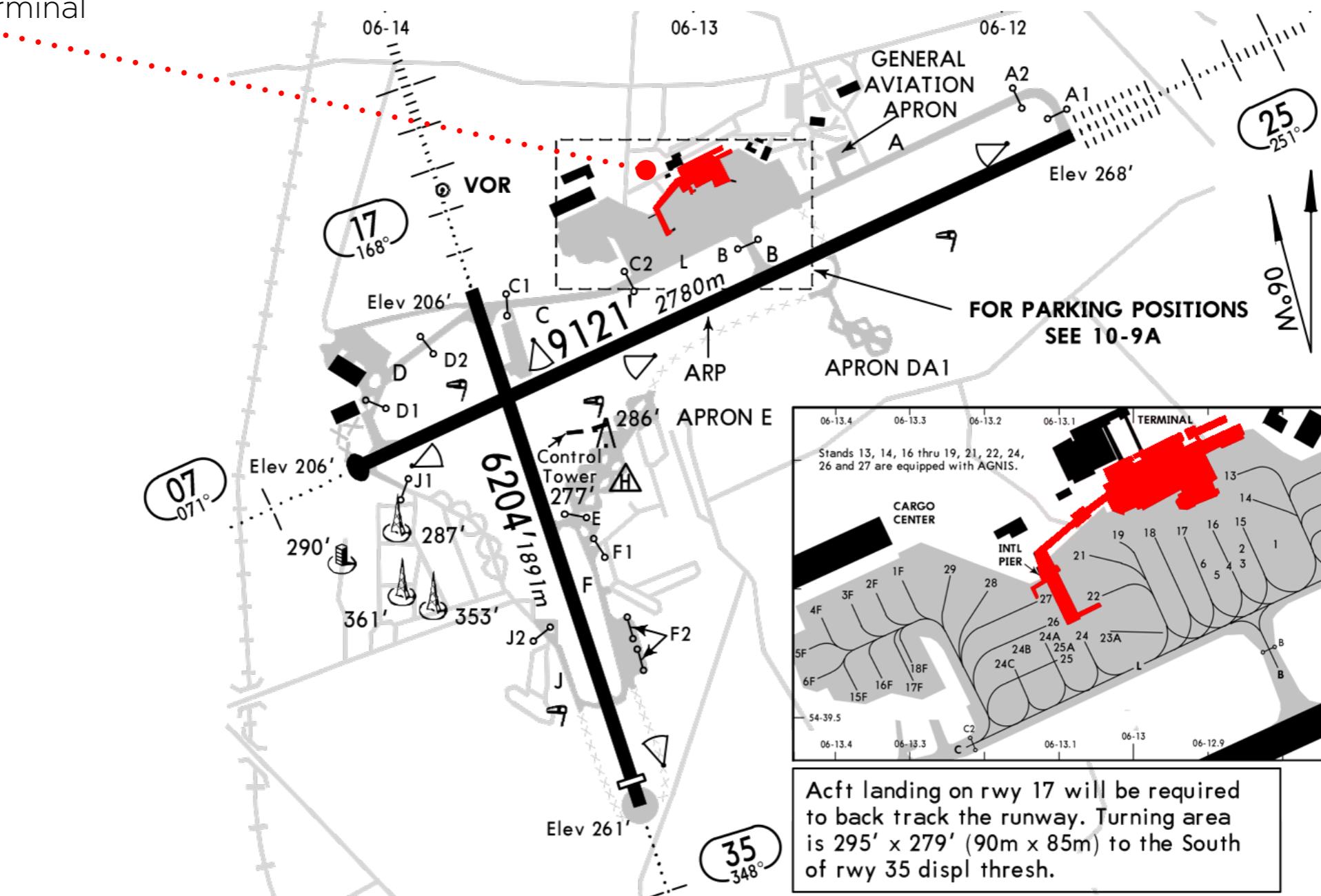
 virtual group

## VIRGIN ATLANTIC AIRPORT PARKING GUIDES

# BELFAST INTERNATIONAL AIRPORT

EGAC

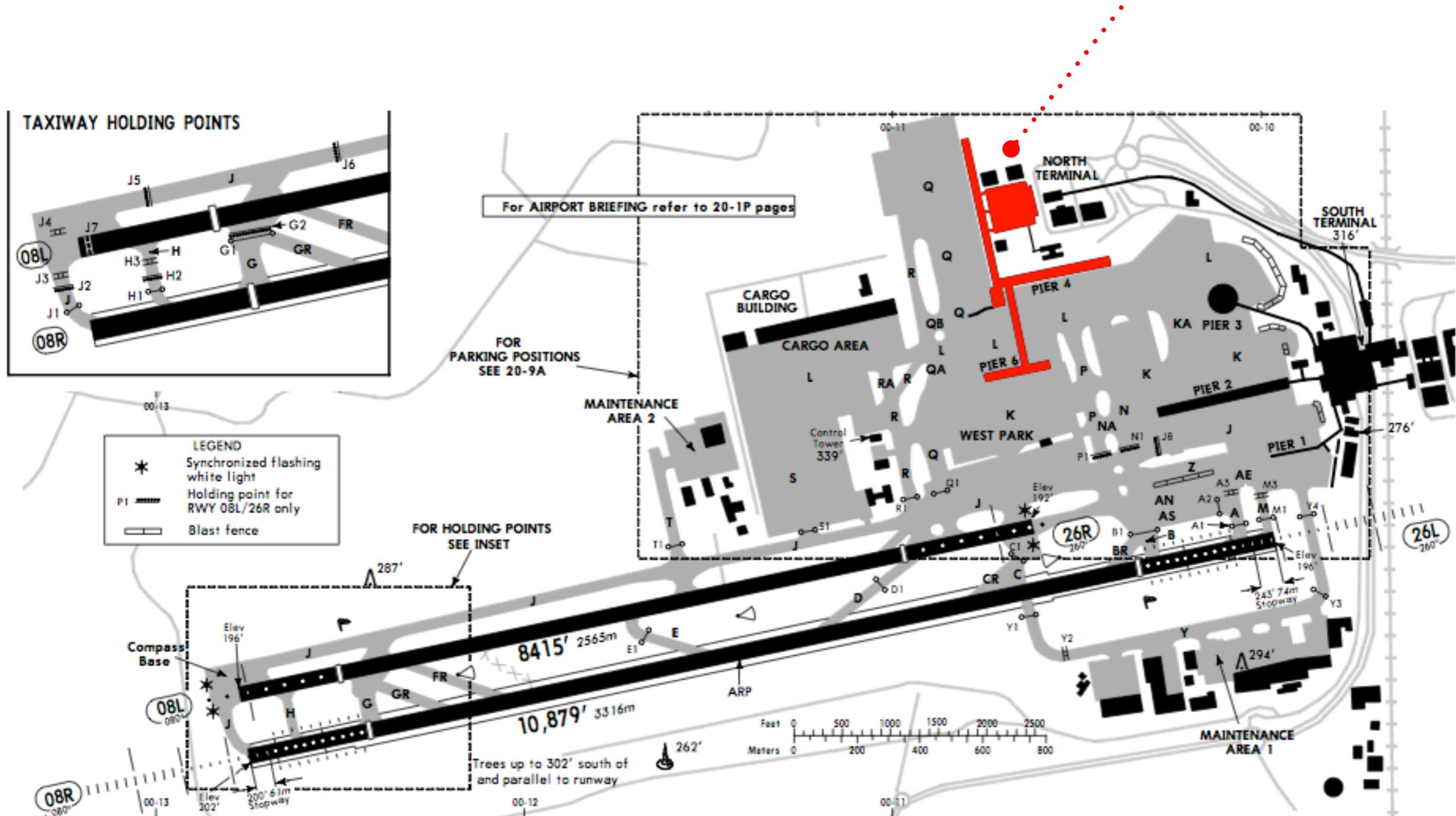
Aircraft Departure & Arrivals  
Main Terminal



# LONDON GATWICK AIRPORT

EGKK

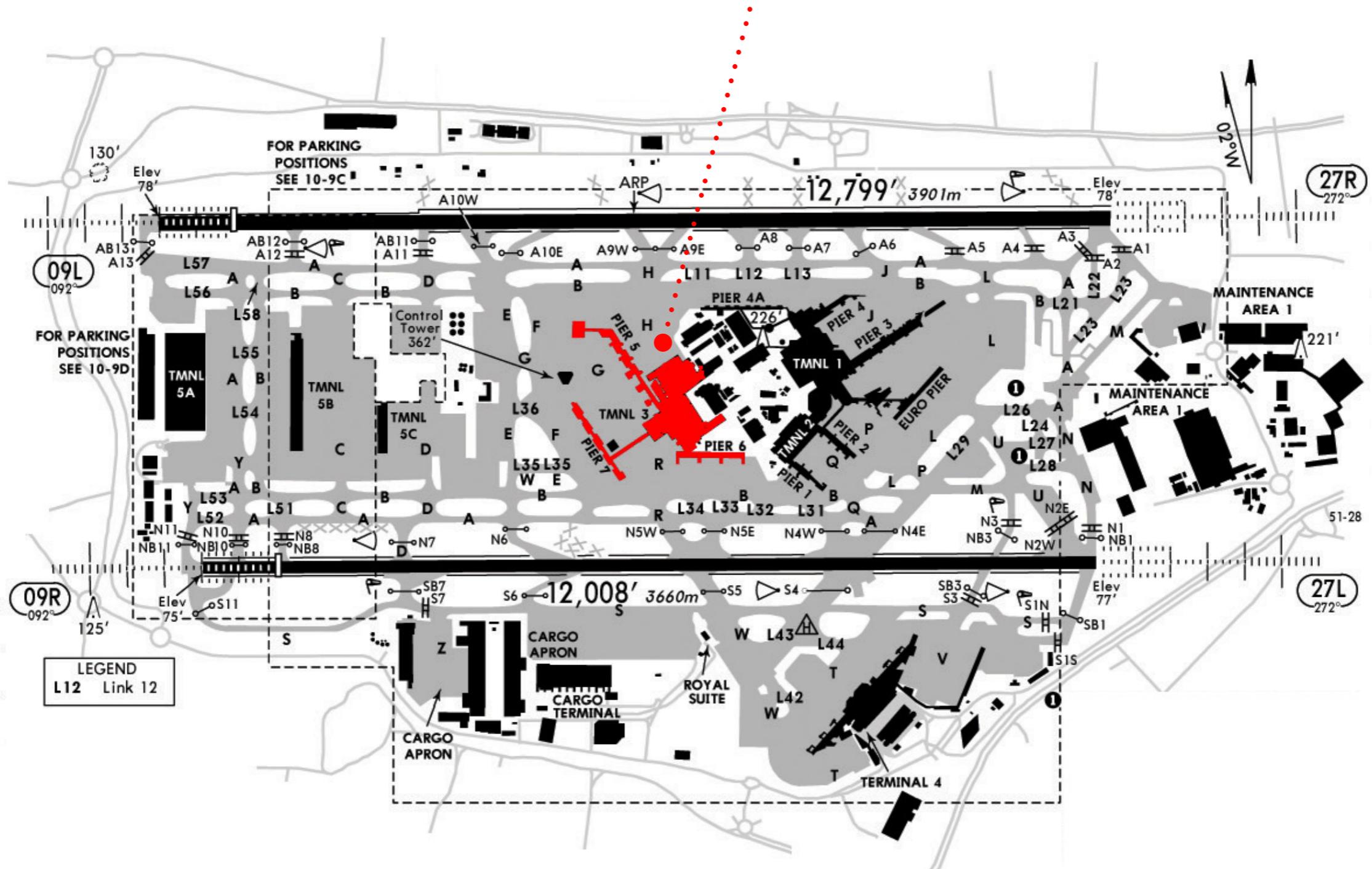
Aircraft Departure & Arrivals  
North Terminal



# LONDON HEATHROW AIRPORT

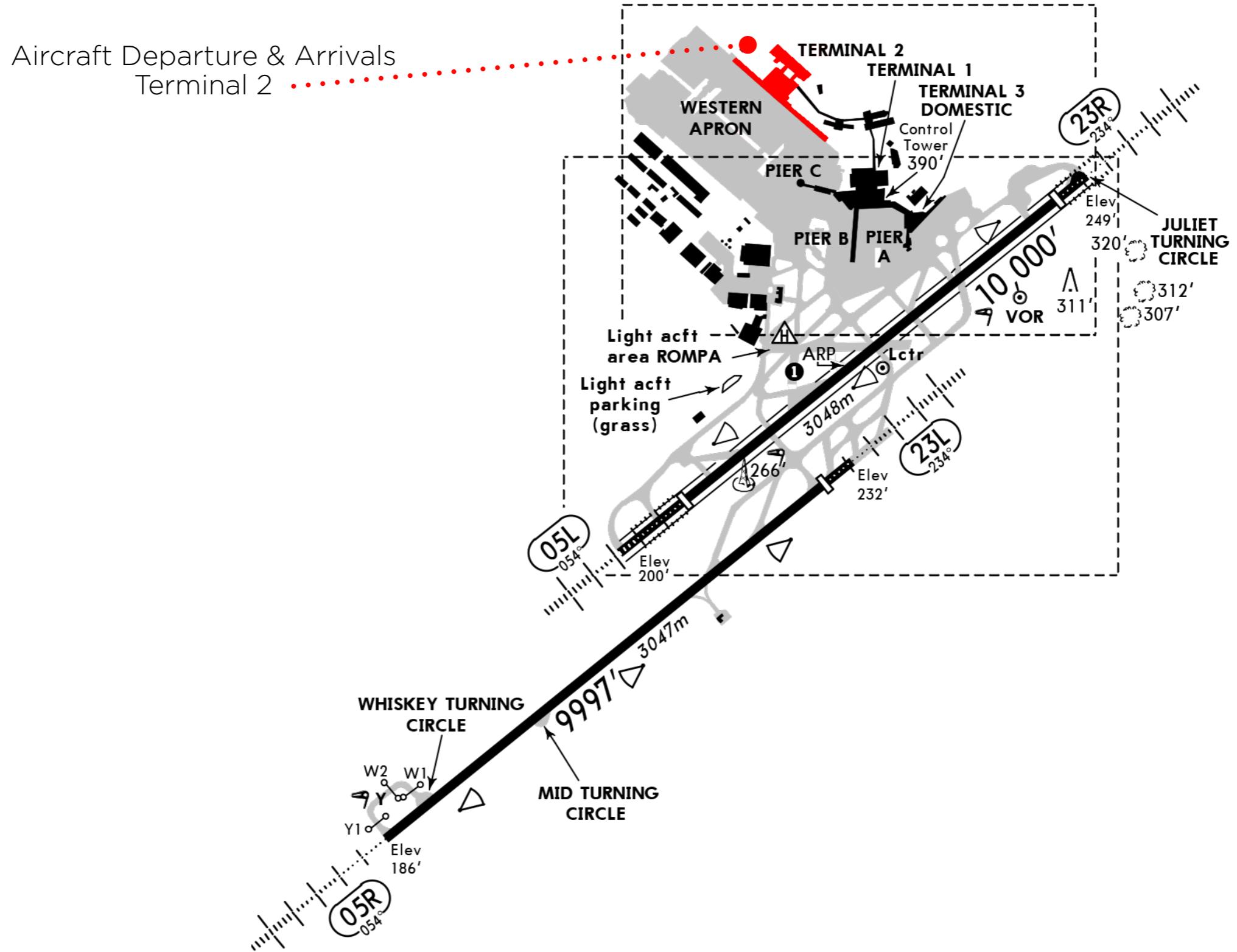
EGLL

Aircraft Departure & Arrivals  
Terminal 3



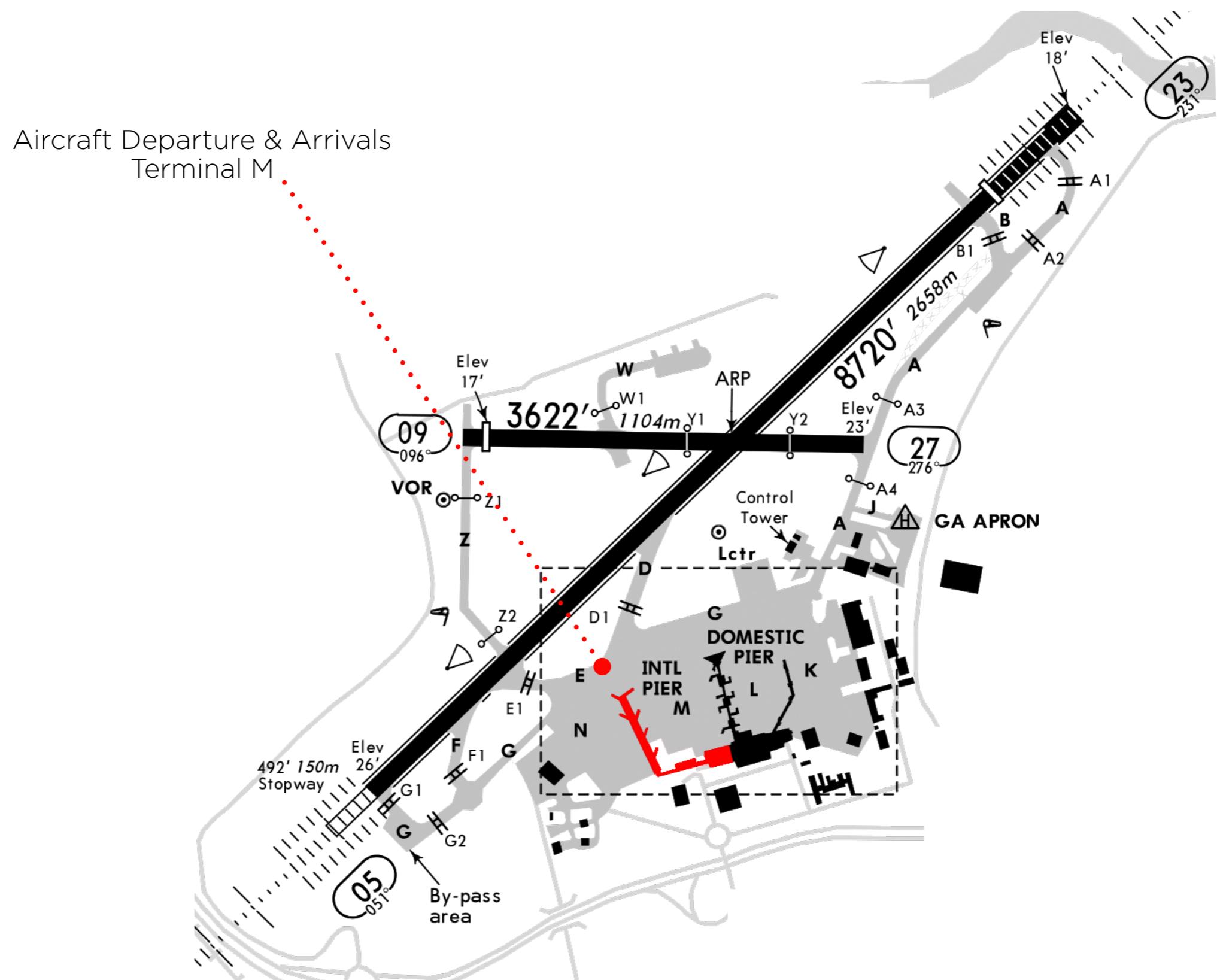
# MANCHESTER INTERNATIONAL AIRPORT

EGCC



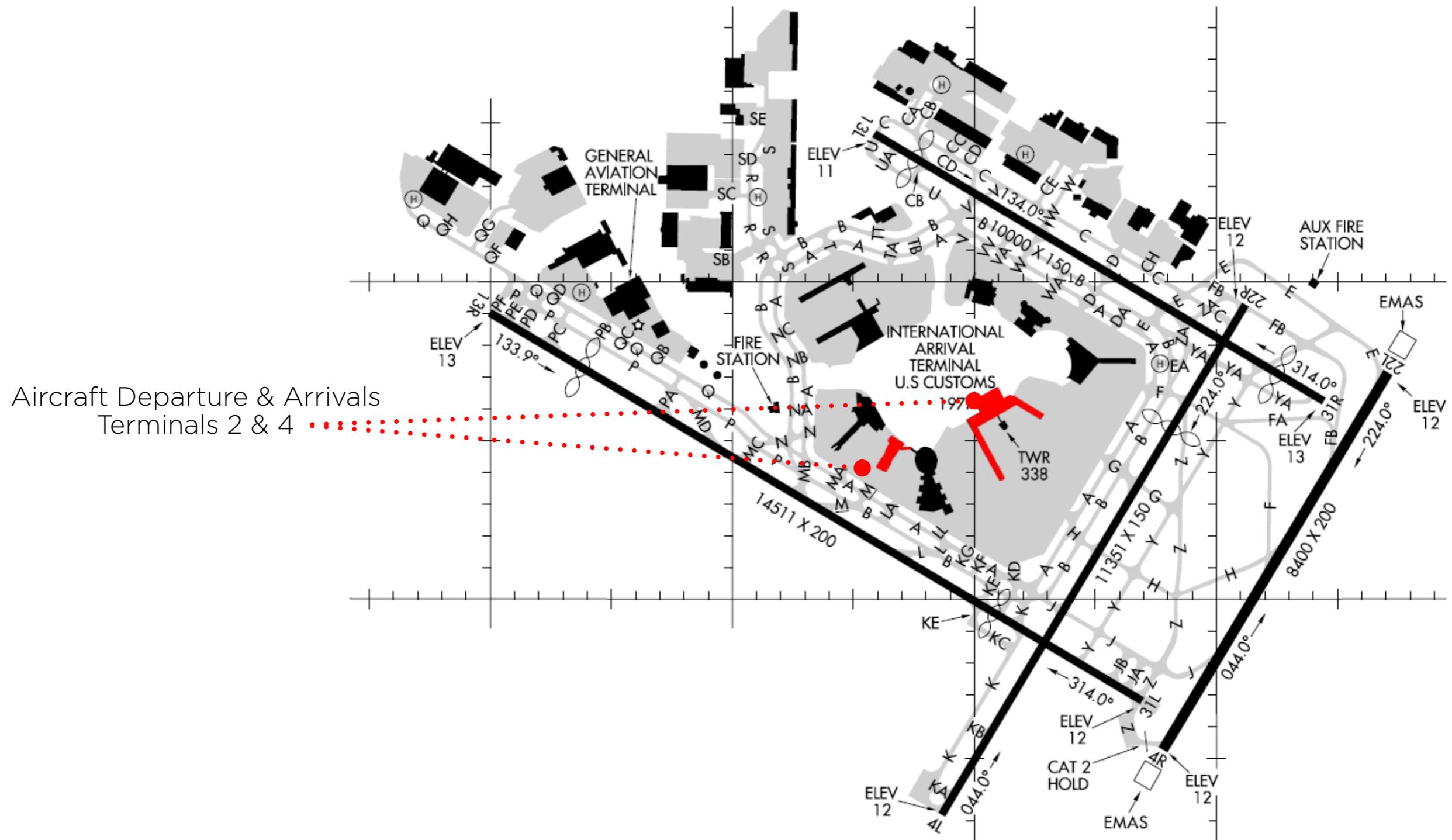
# GLASGOW PRESTWICK INTERNATIONAL AIRPORT

EGPK



# NEW YORK - JOHN F. KENNEDY INTERNATIONAL AIRPORT

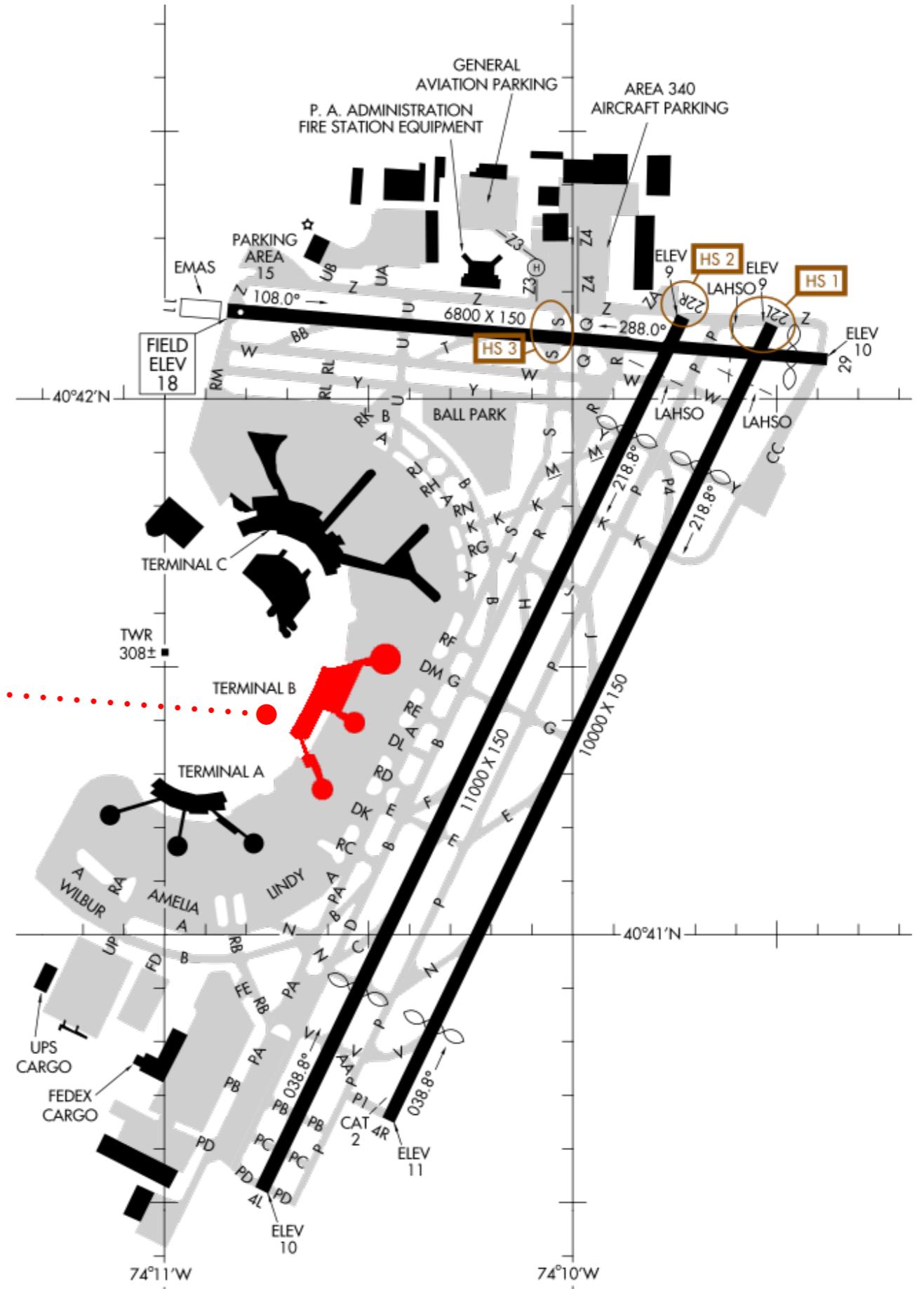
KJFK



# NEW YORK - NEWARK LIBERTY

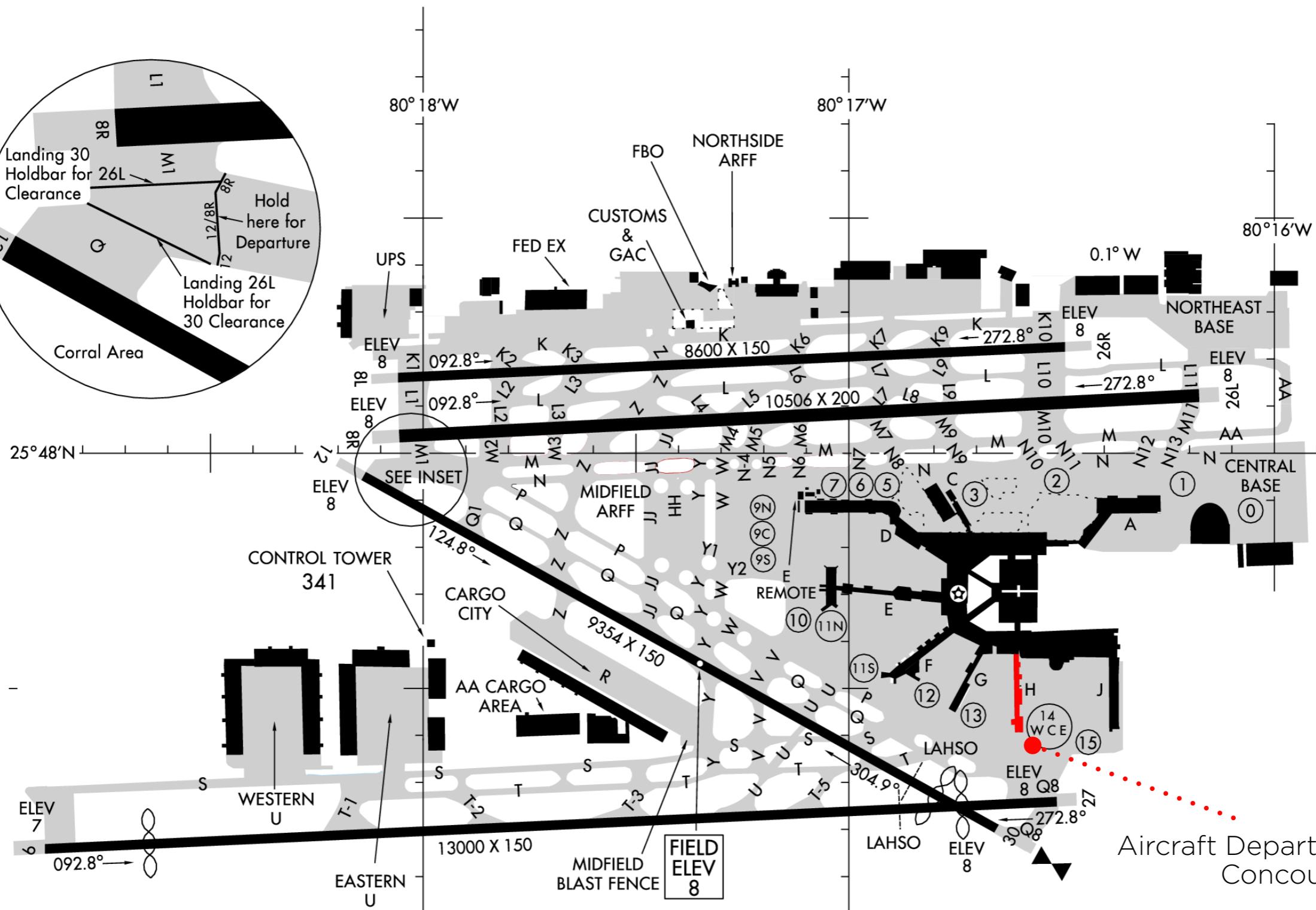
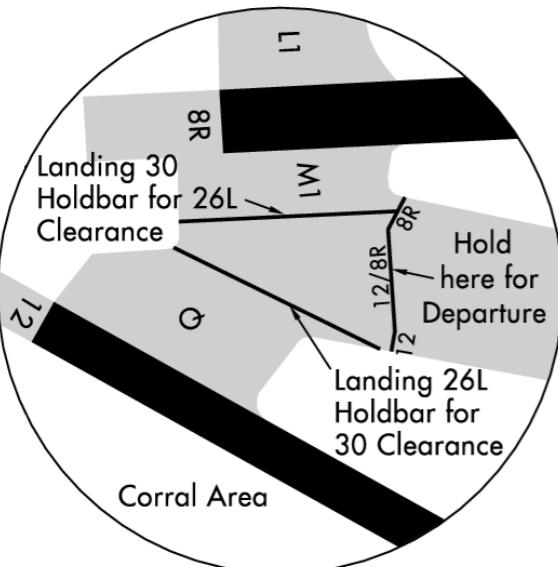
KEWR

Aircraft Departure & Arrivals  
Terminal B



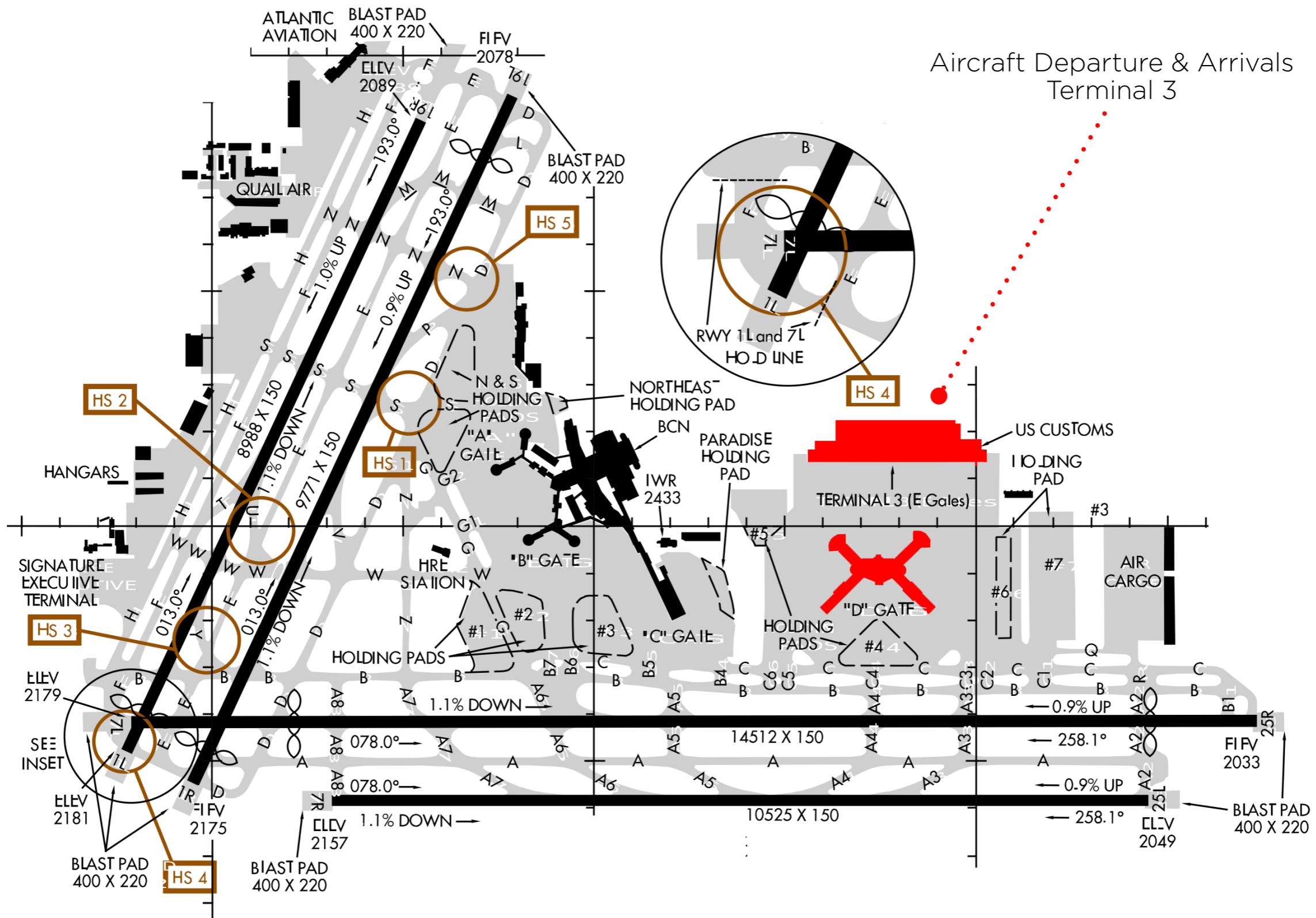
# MIAMI INTERNATIONAL AIRPORT

KMIA



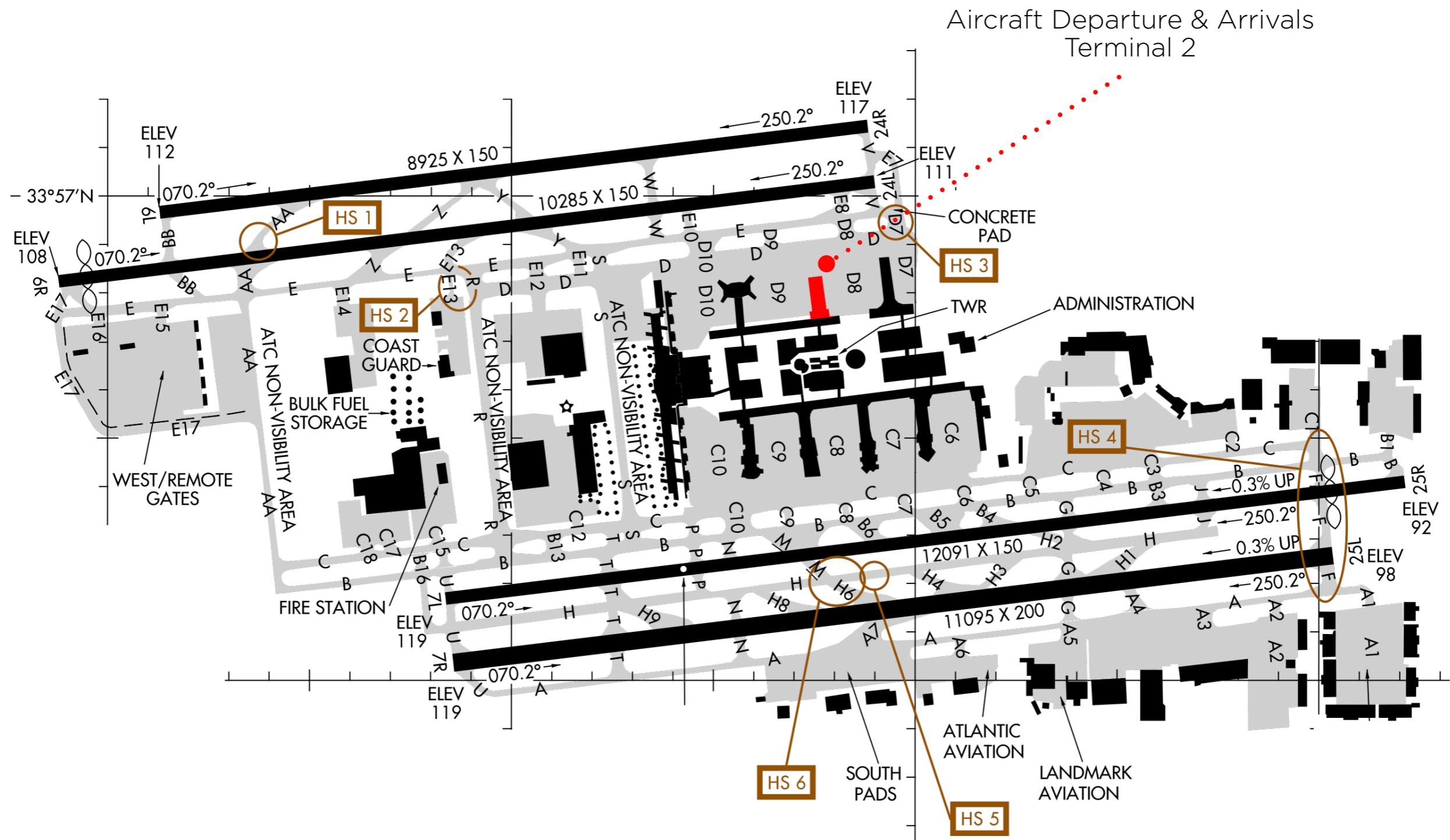
# LAS VEGAS McCARRAN INTERNATIONAL AIRPORT

KLAS



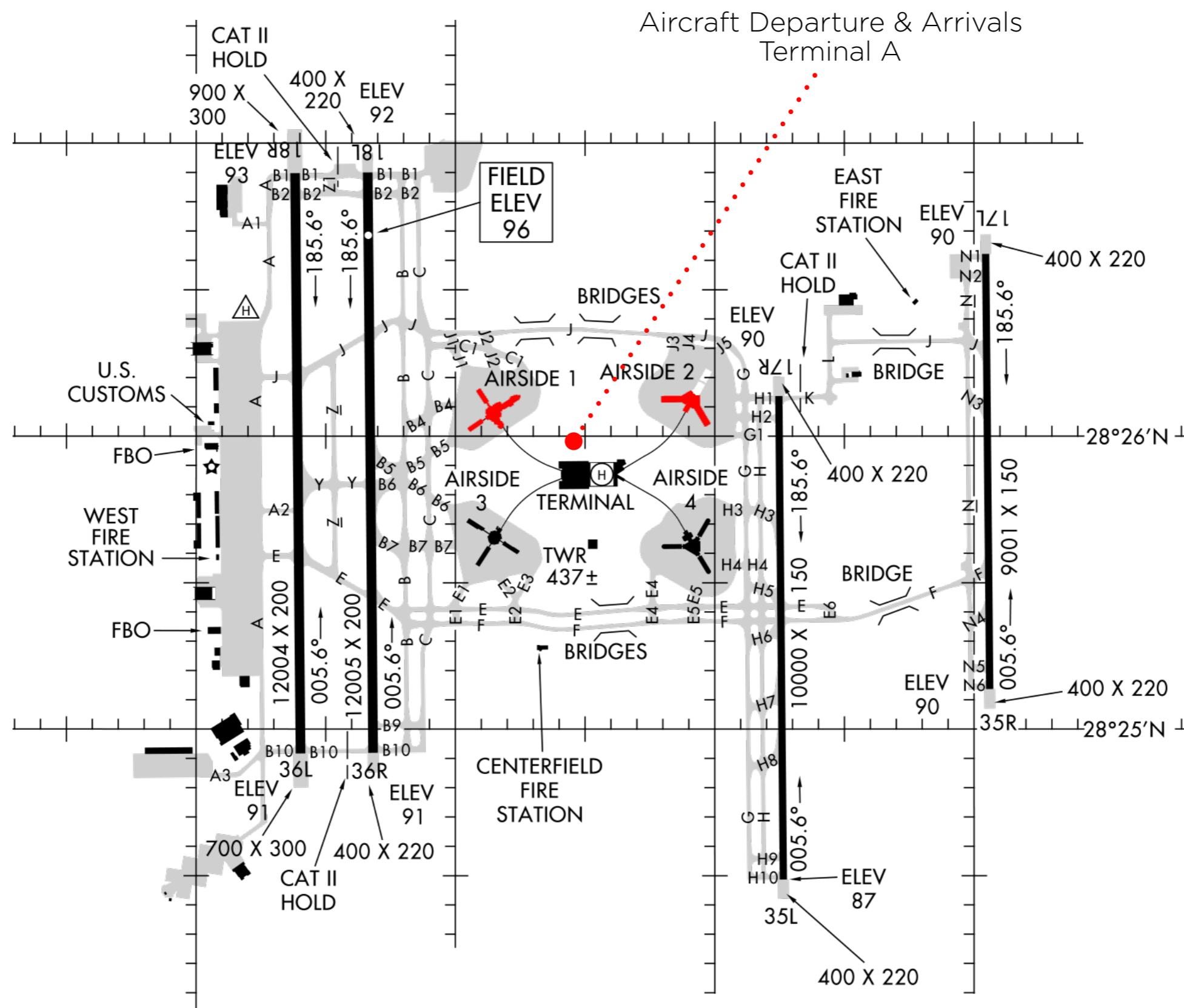
# LOS ANGELES INTERNATIONAL AIRPORT

KLAX



# ORLANDO INTERNATIONAL AIRPORT

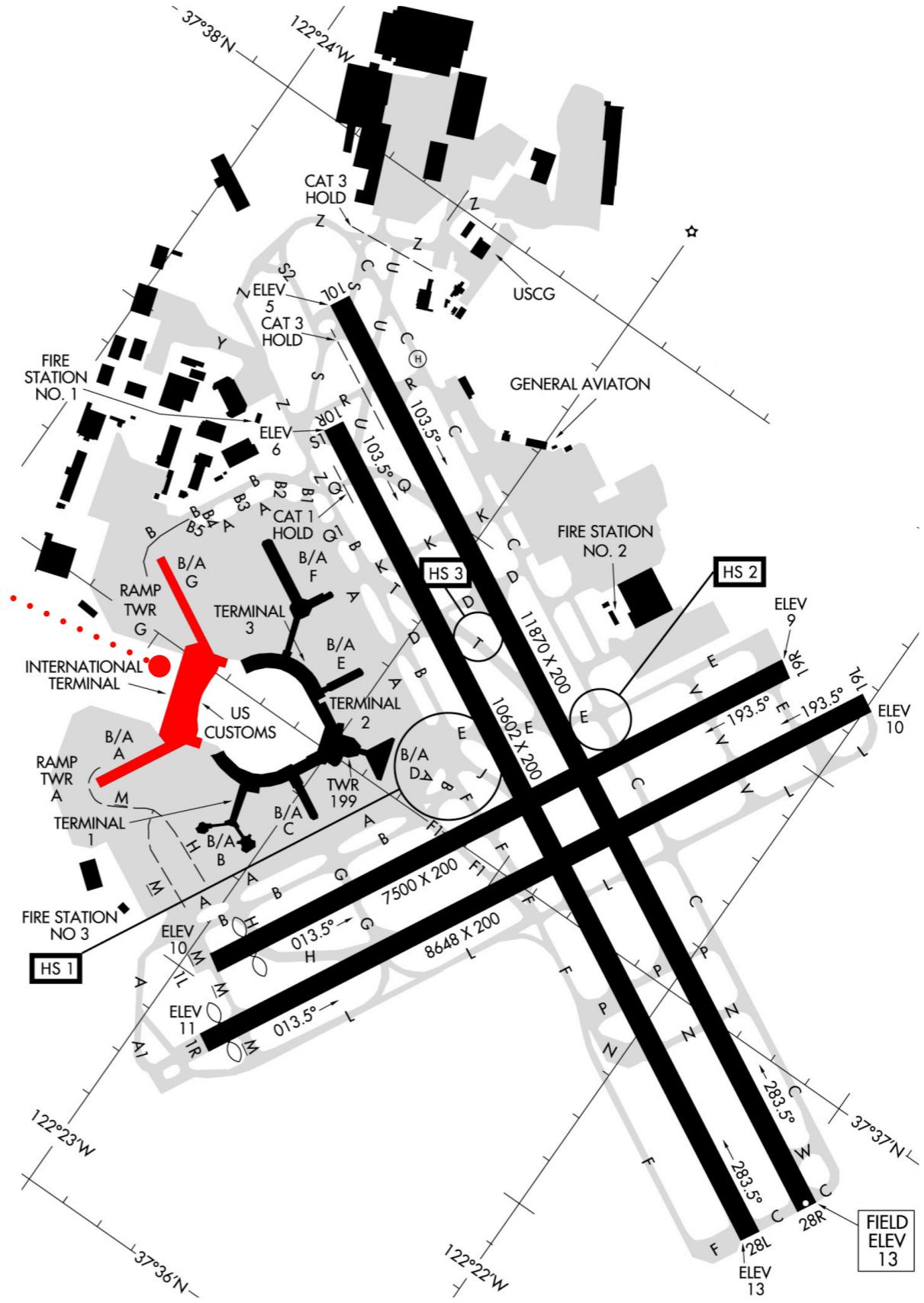
KMCO



# SAN FRANCISCO INTERNATIONAL AIRPORT

KSFO

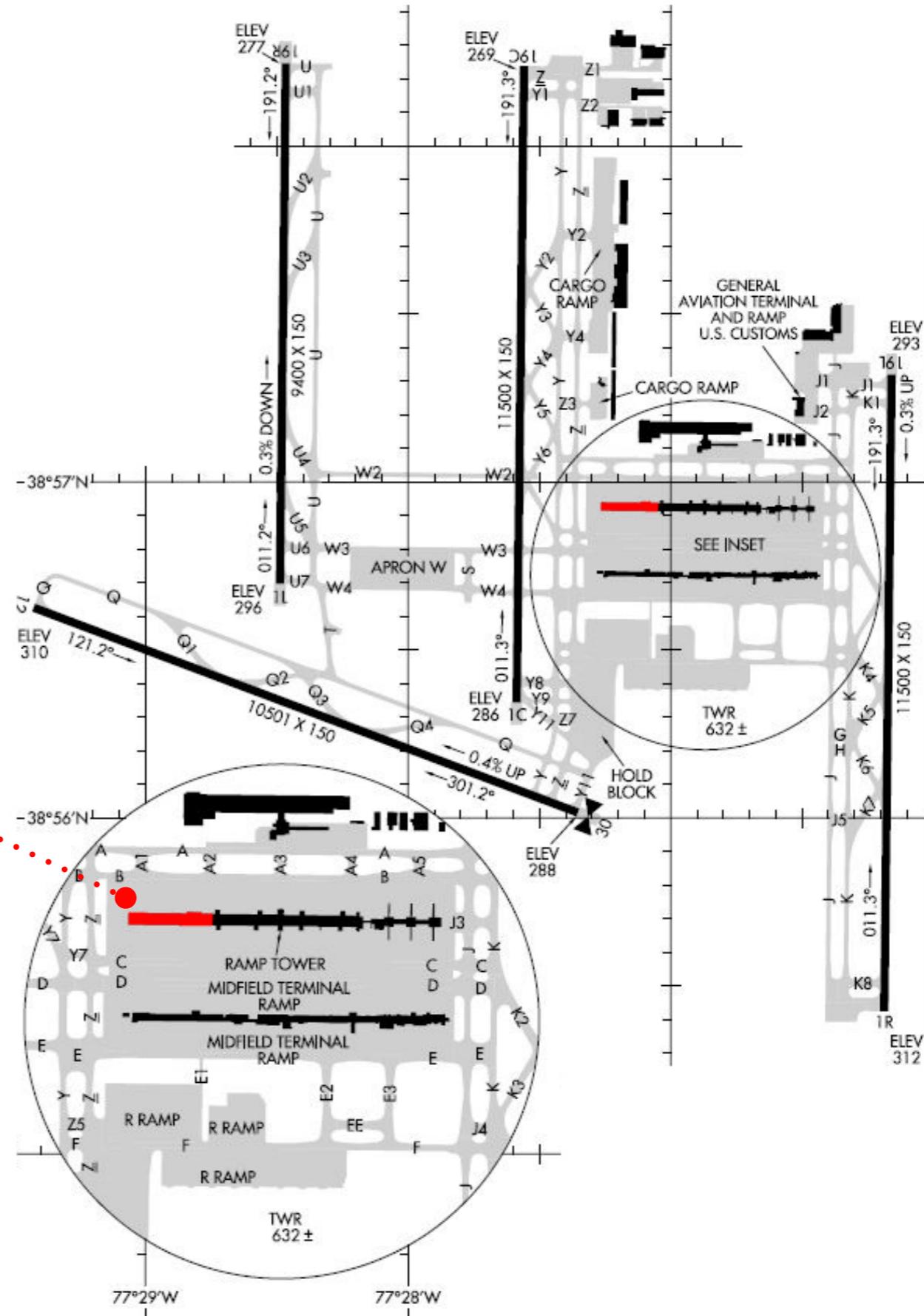
Aircraft Departure & Arrivals  
International Terminal



# WASHINGTON DULLES INTERNATIONAL AIRPORT

KIAD

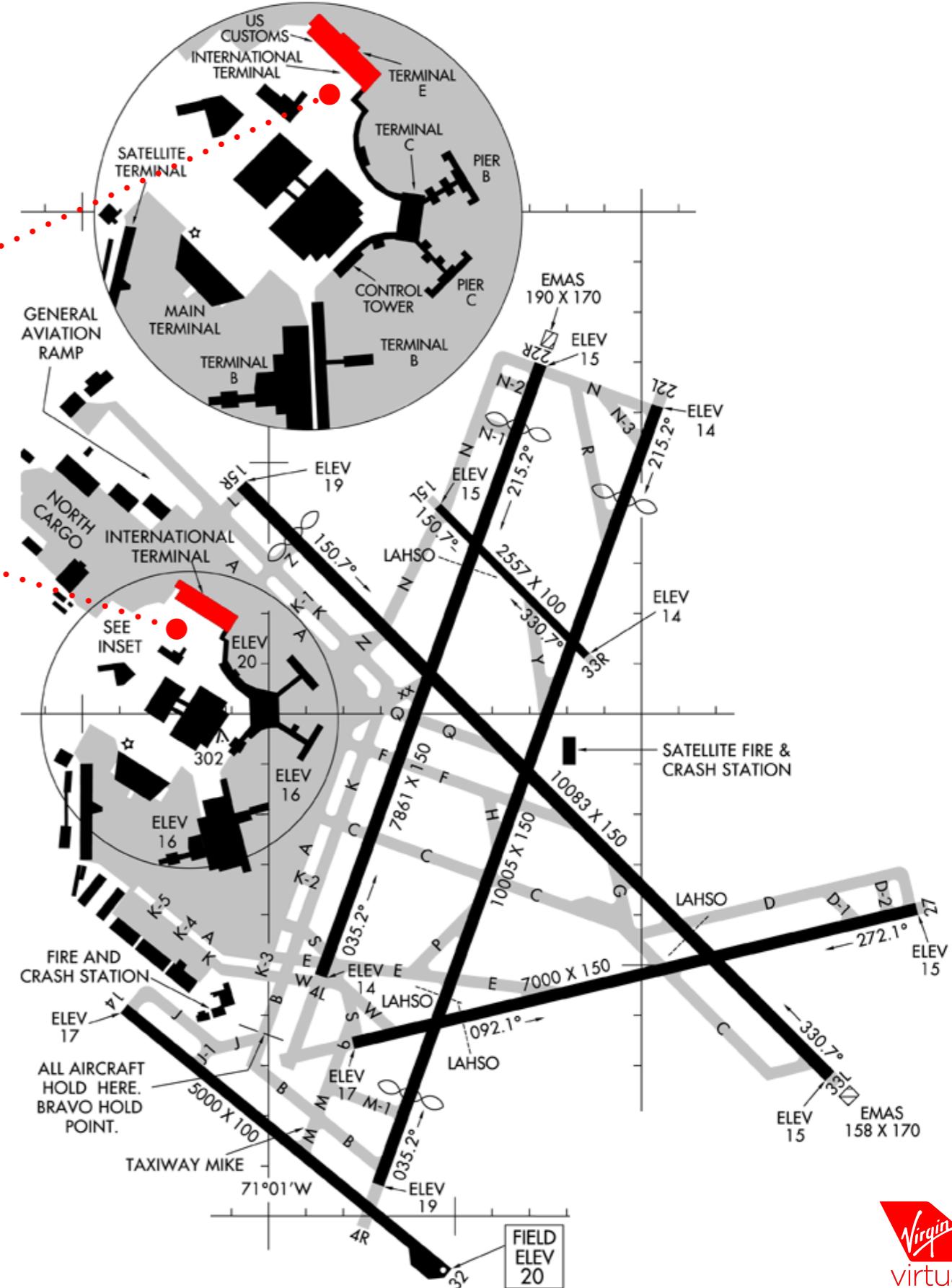
Aircraft Departure & Arrivals  
Terminal B



# BOSTON LOGAN INTERNATIONAL AIRPORT

KBOS

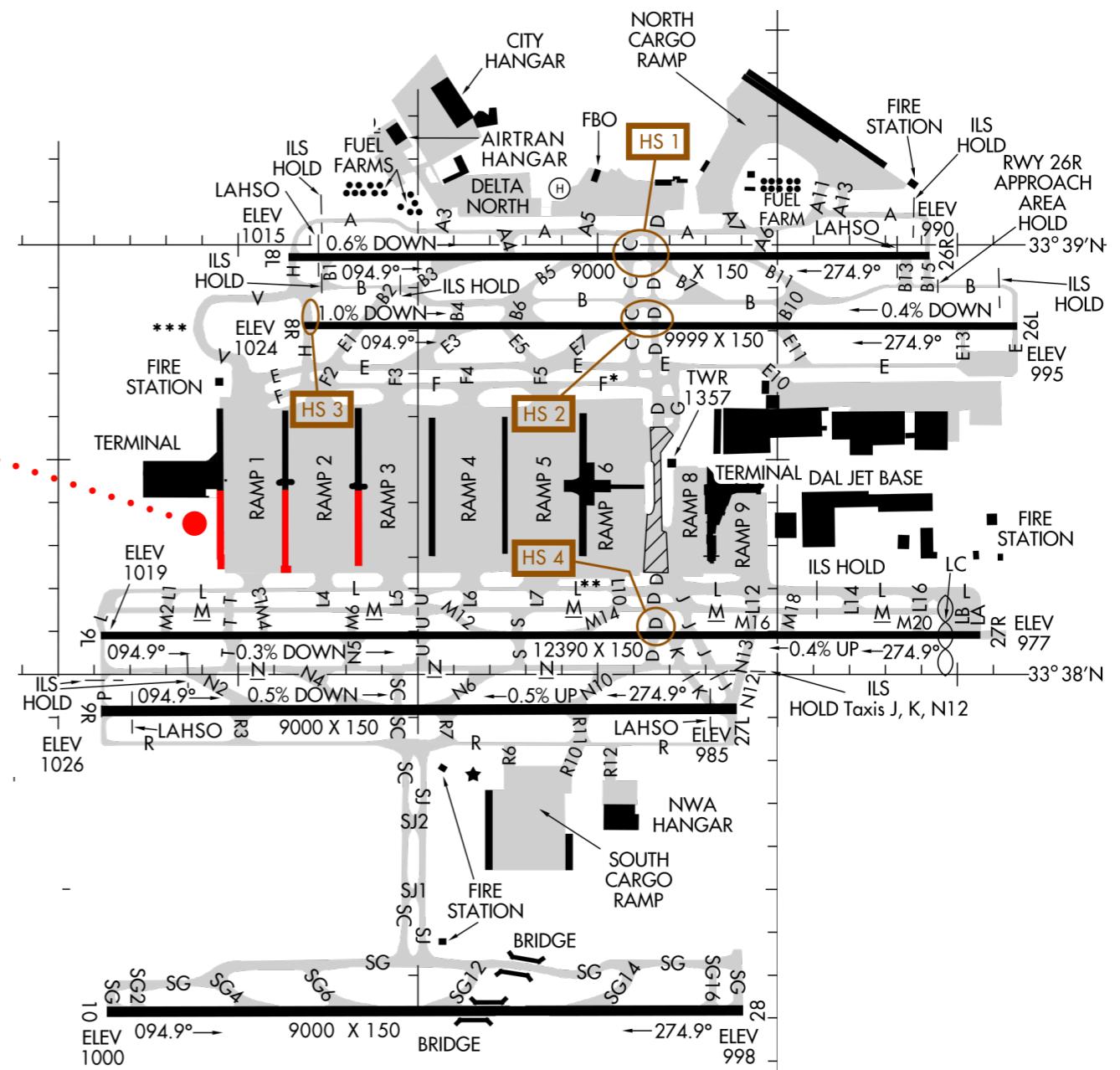
Aircraft Departure & Arrivals  
Terminal E



# ATLANTA HARTSFIELD-JACKSON INTERNATIONAL AIRPORT

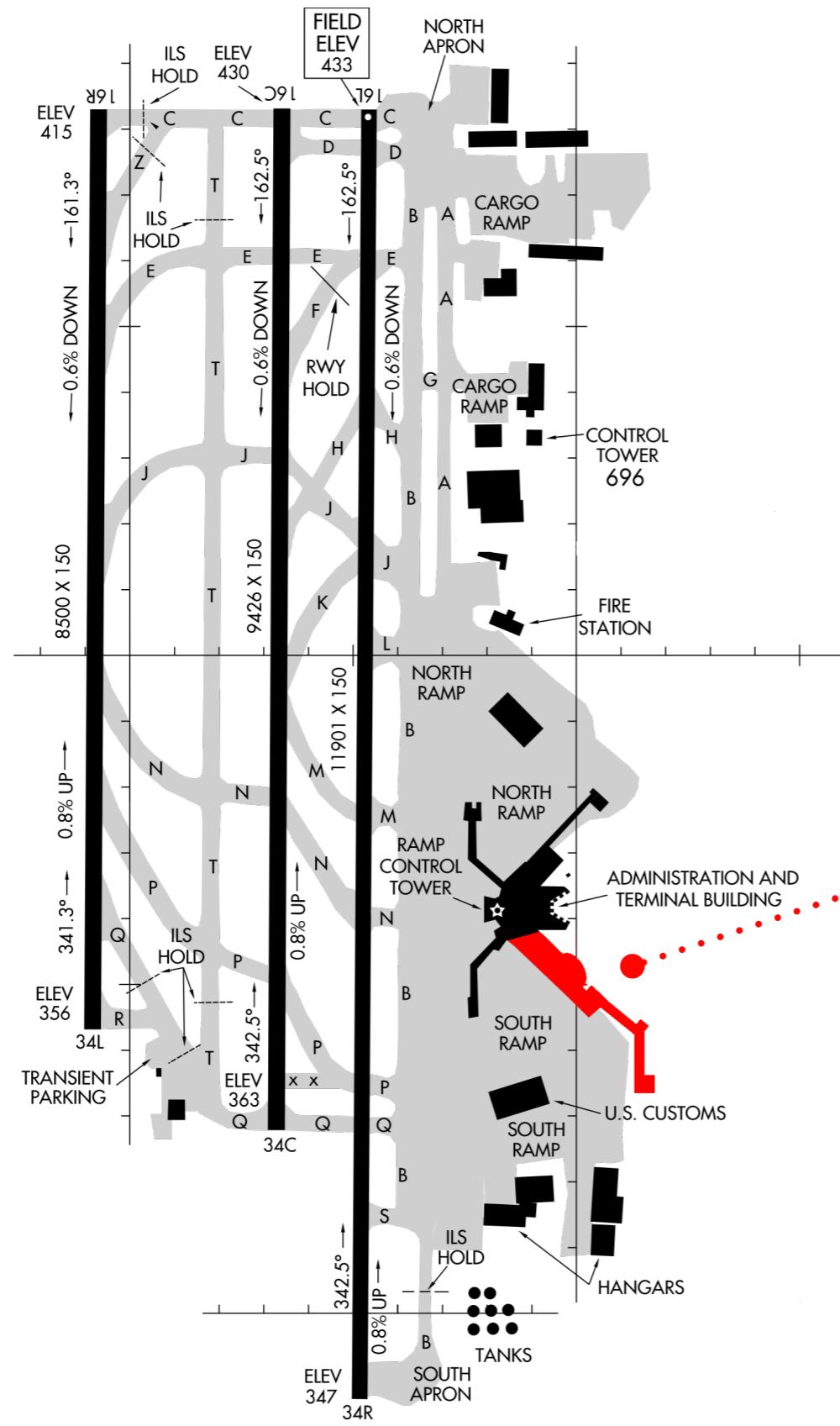
KATL

Aircraft Departure & Arrivals  
International Terminal (South)



# SEATTLE-TACOMA INTERNATIONAL AIRPORT

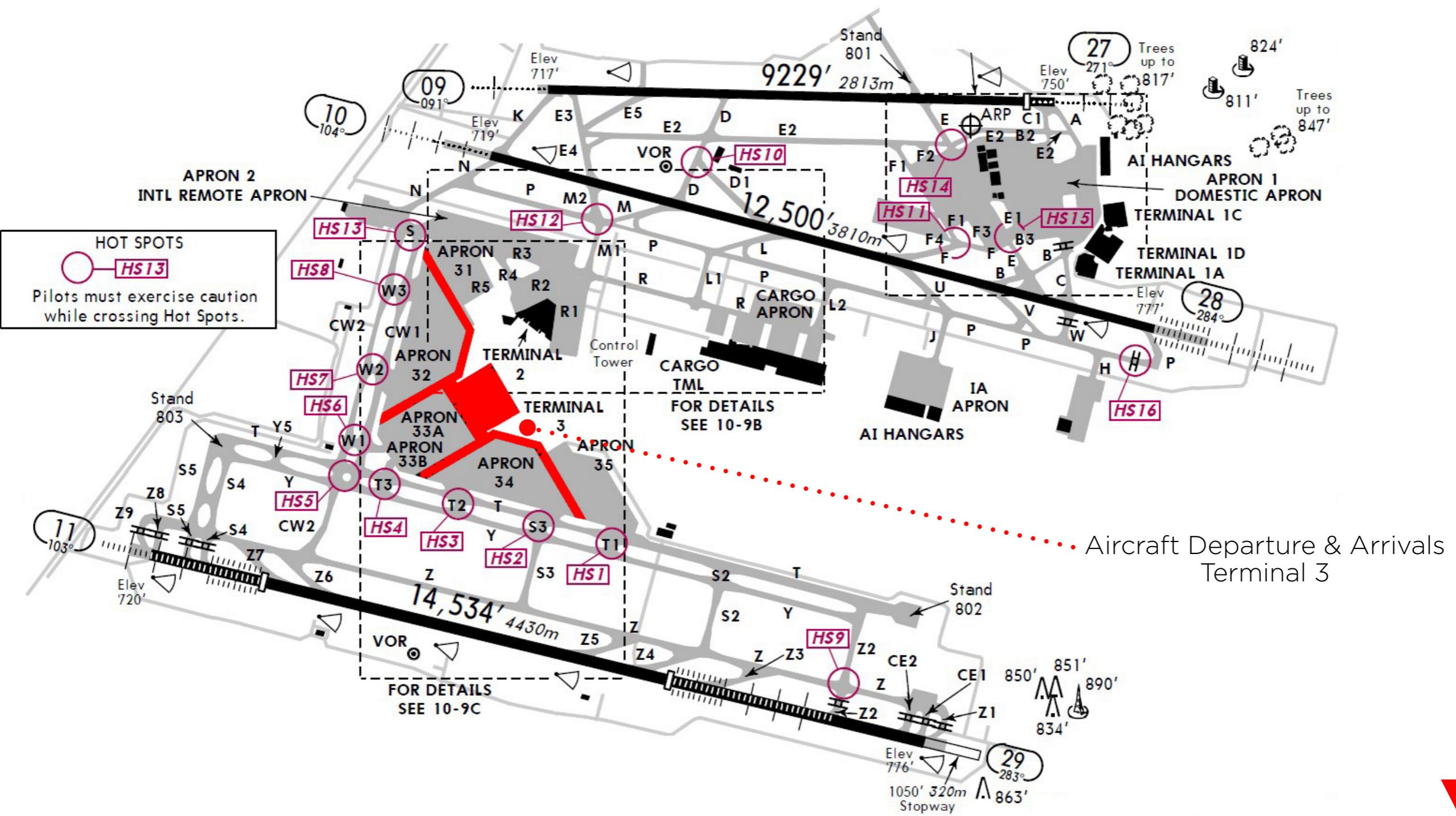
KSEA



Aircraft Departure & Arrivals  
International Terminal Concourse S

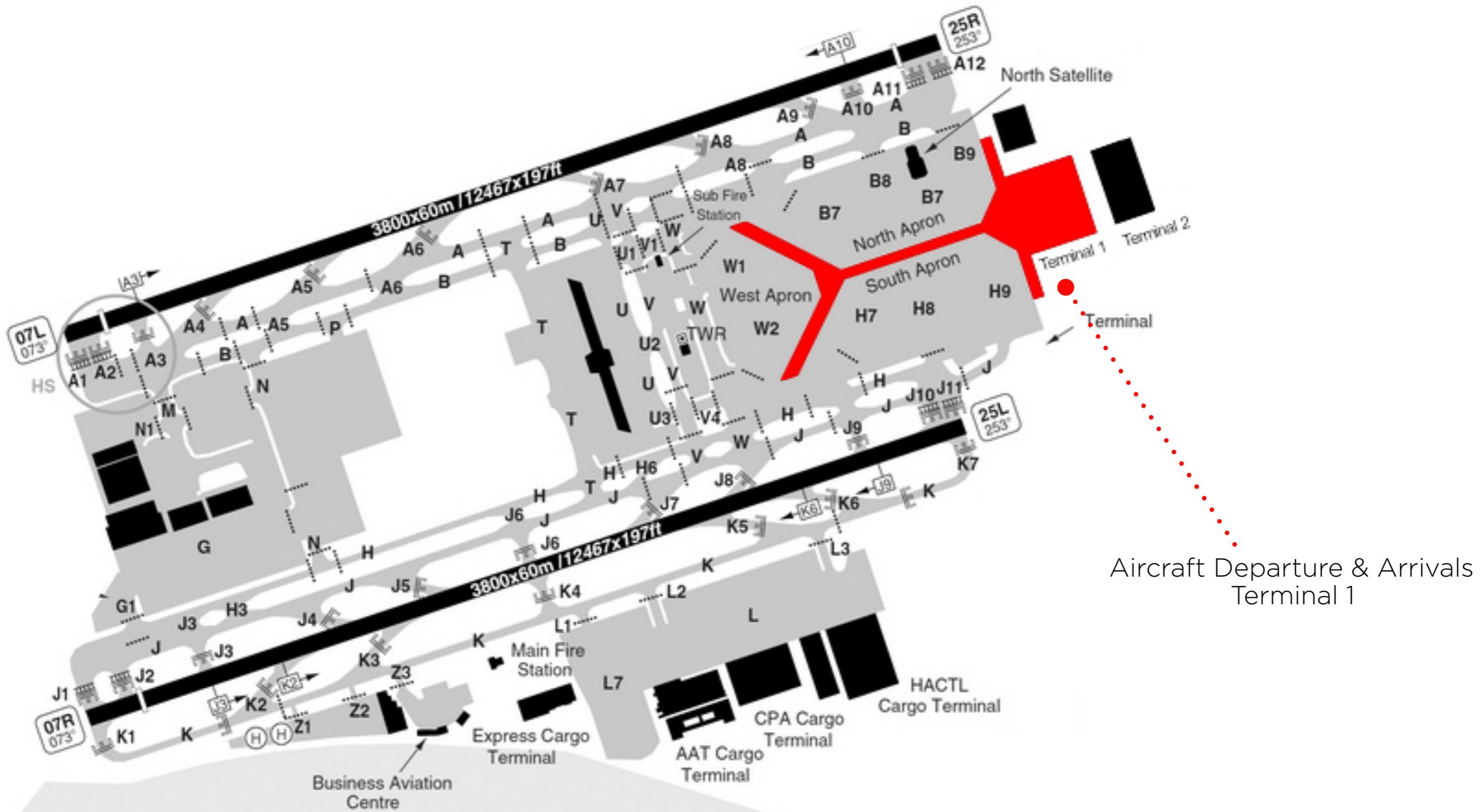
# DELHI - INDIRA GANDHI INTERNATIONAL AIRPORT

VIDP



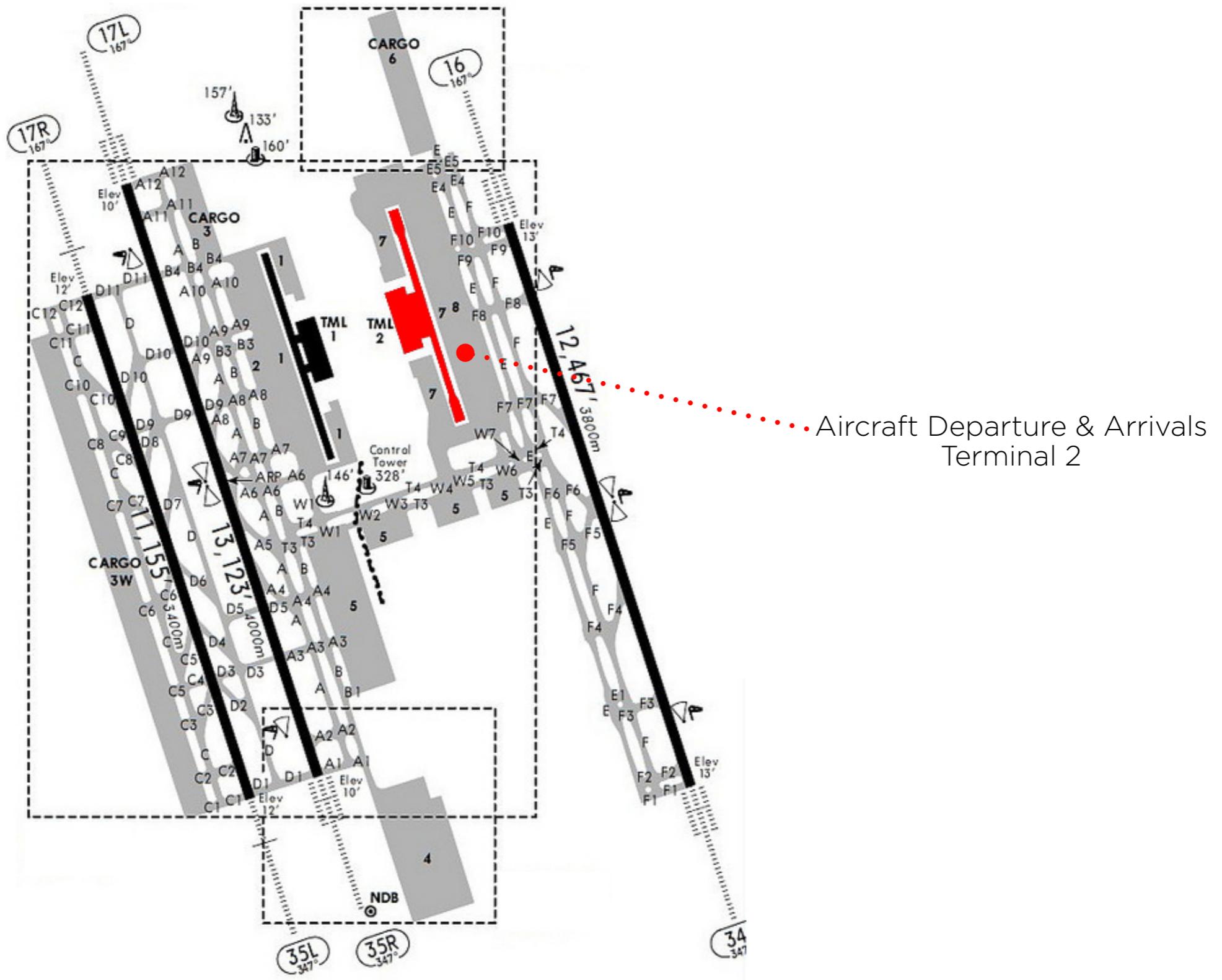
# HONG KONG INTERNATIONAL AIRPORT

VHHH



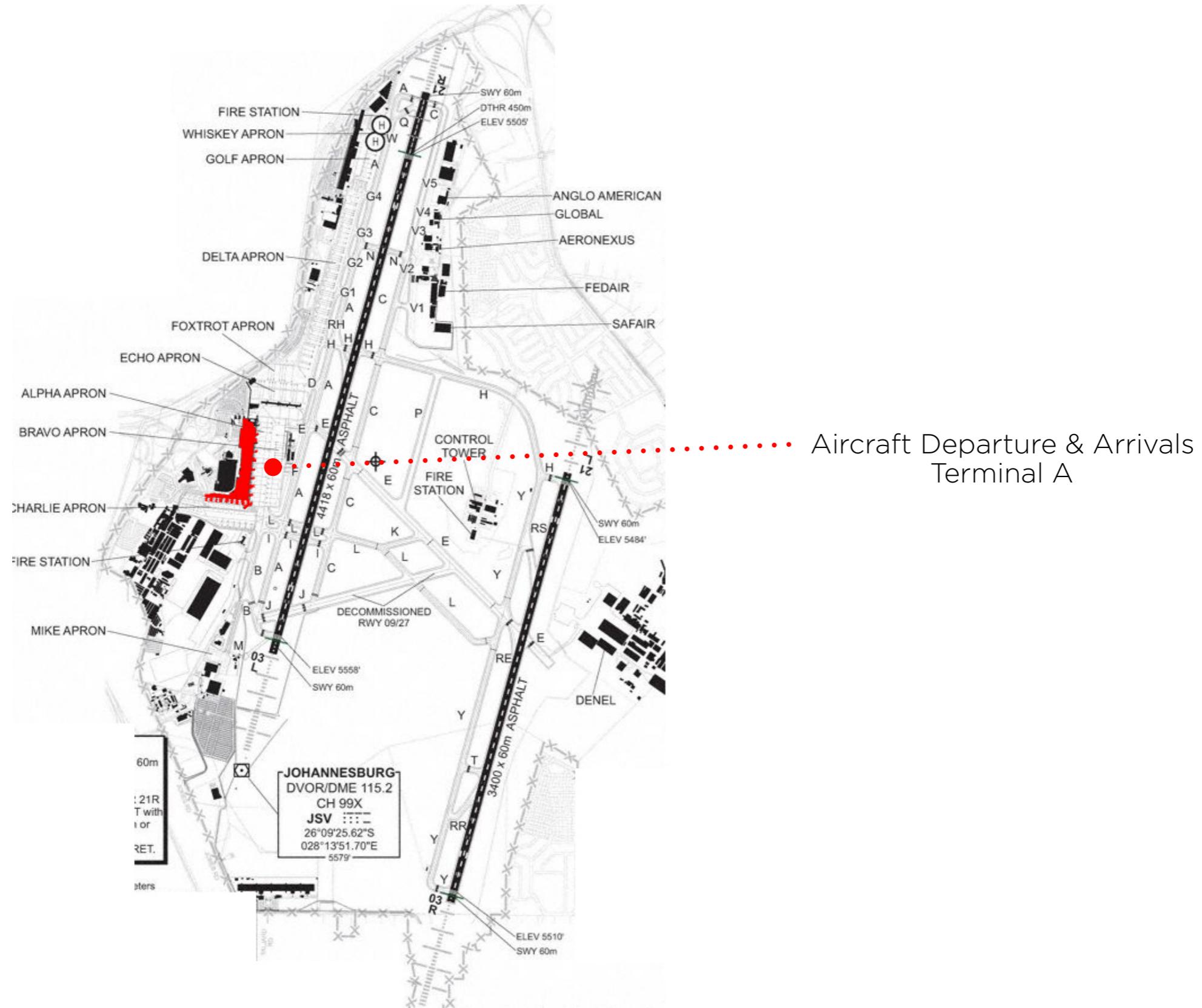
# SHANGHAI PUDONG INTERNATIONAL AIRPORT

ZSPD



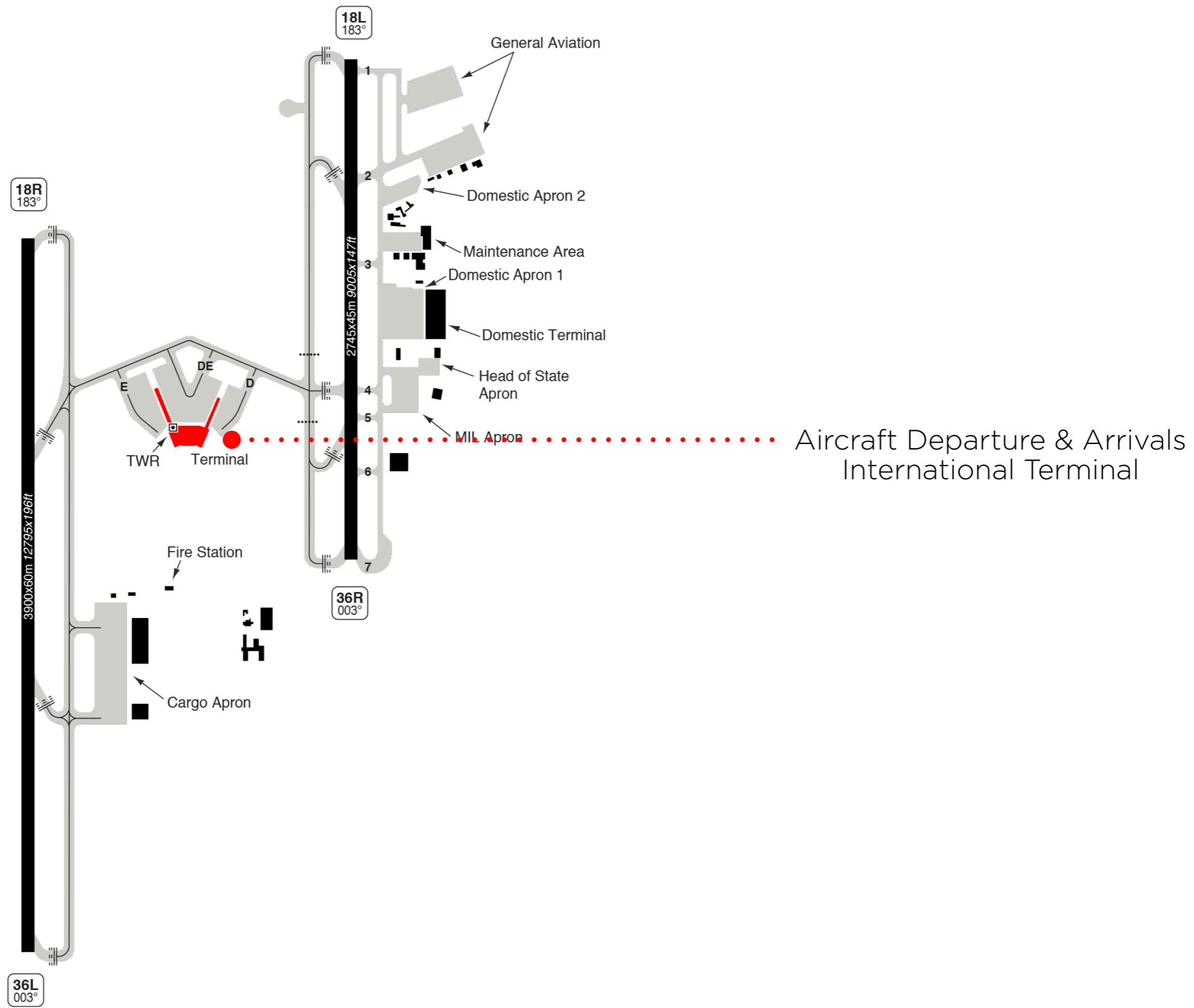
# JOHANNESBURG O.R. TAMBOR INTERNATIONAL AIRPORT

FAOR



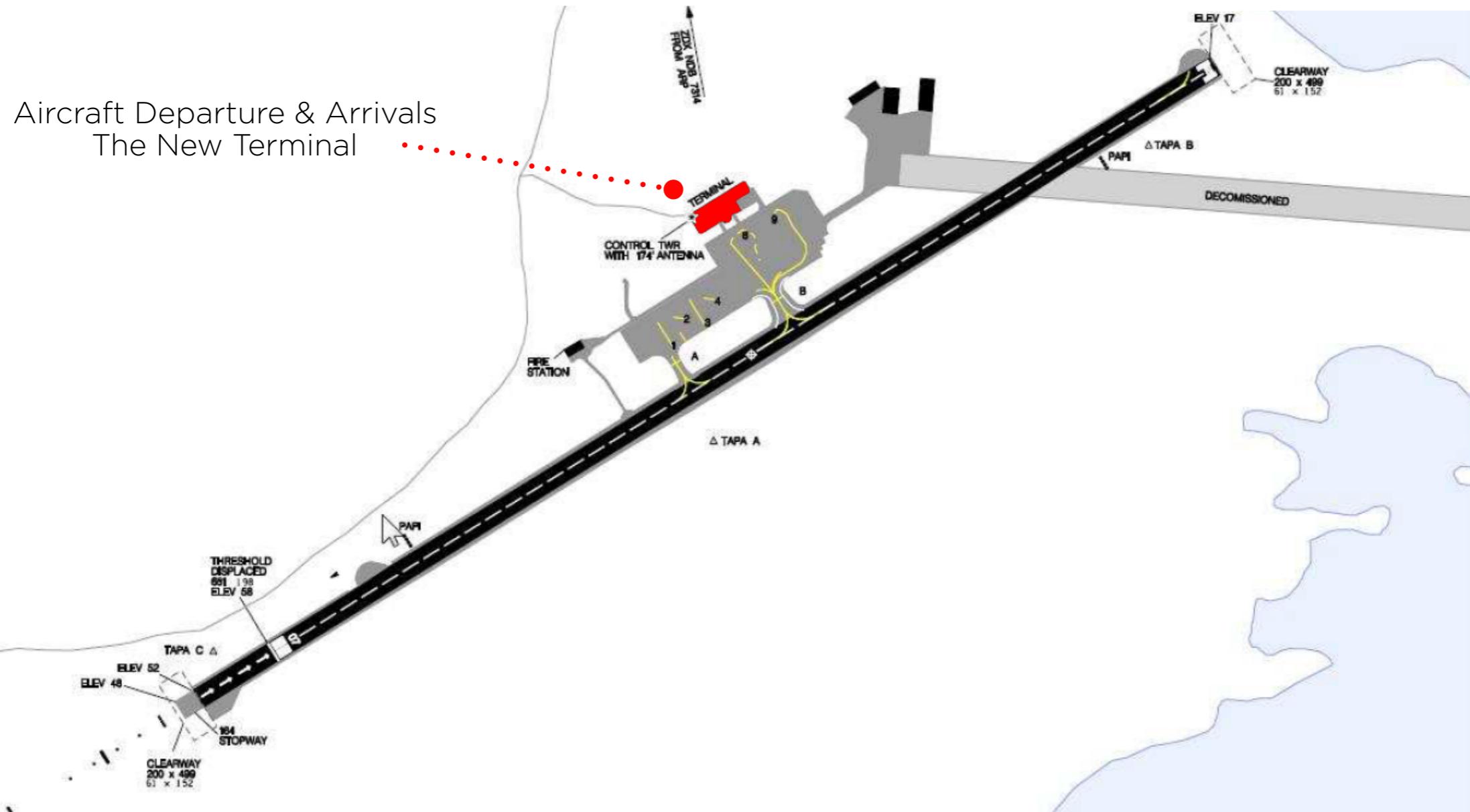
# LAGOS MURTALA MUHAMMED INTERNATIONAL AIRPORT

DNMM



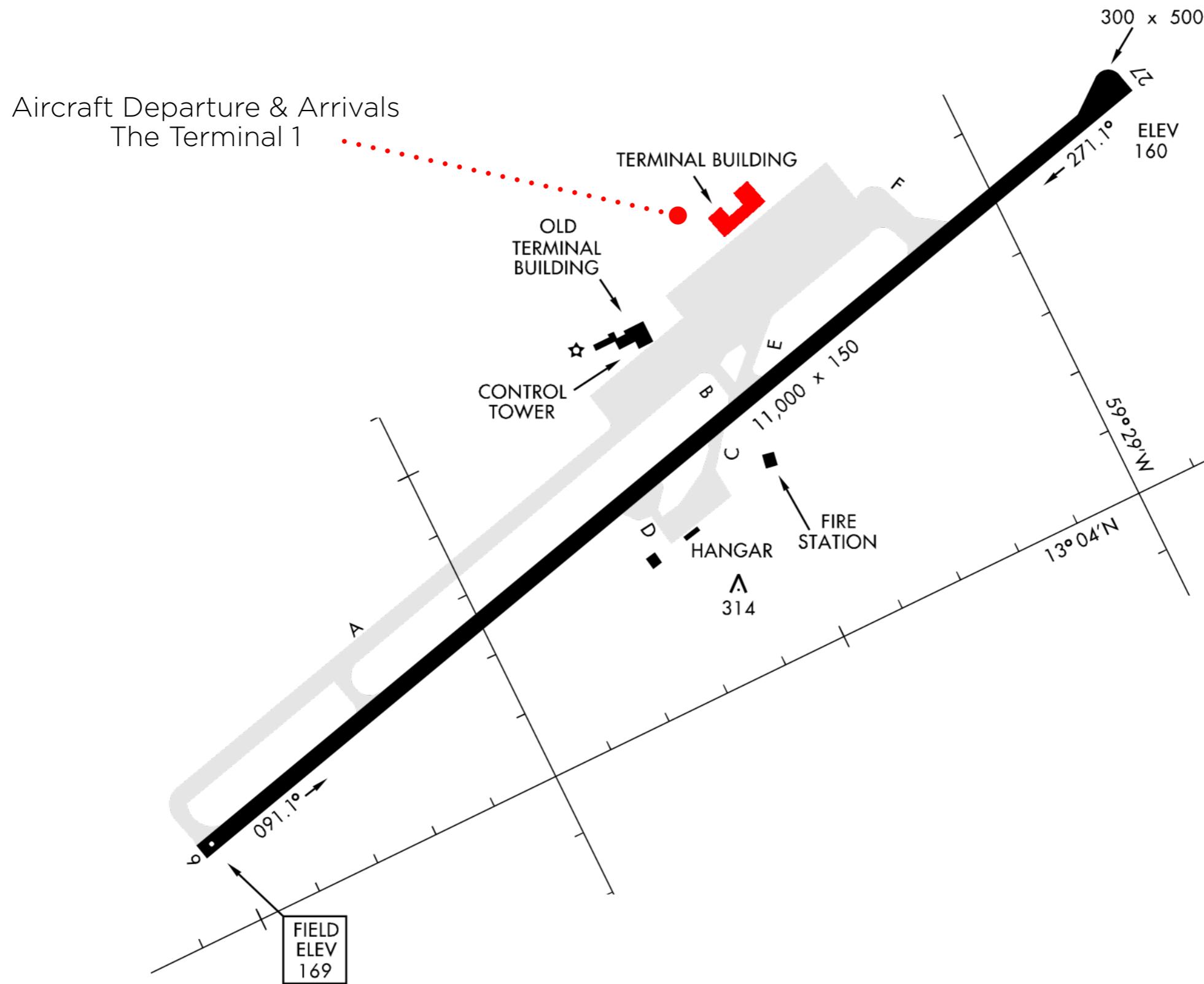
# ANTIGUA V.C. BIRD INTERNATIONAL AIRPORT

TAPA



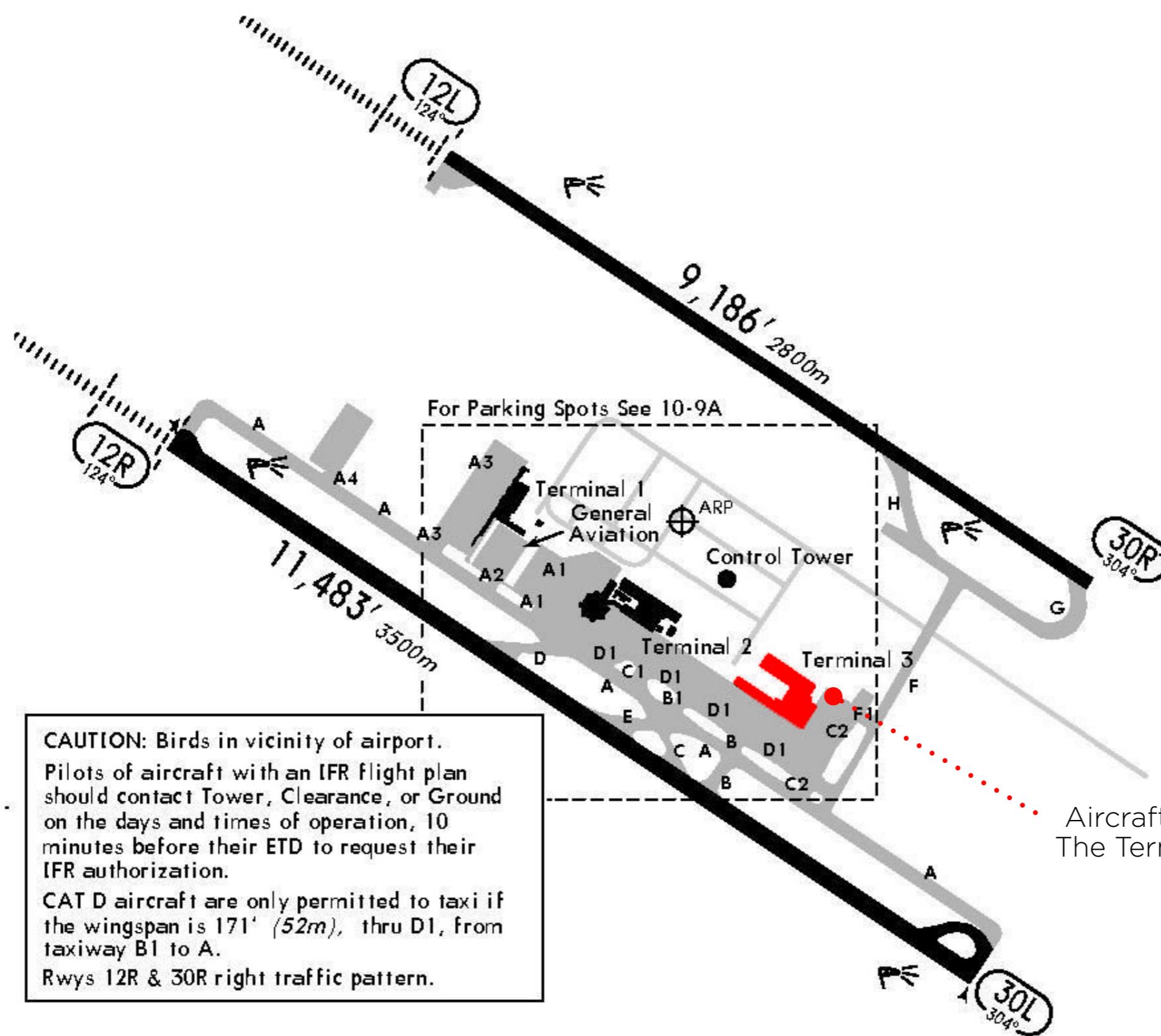
# BARBADOS GRANTLY ADAMS INTERNATIONAL AIRPORT

TBPB



# CANCUN INTERNATIONAL AIRPORT

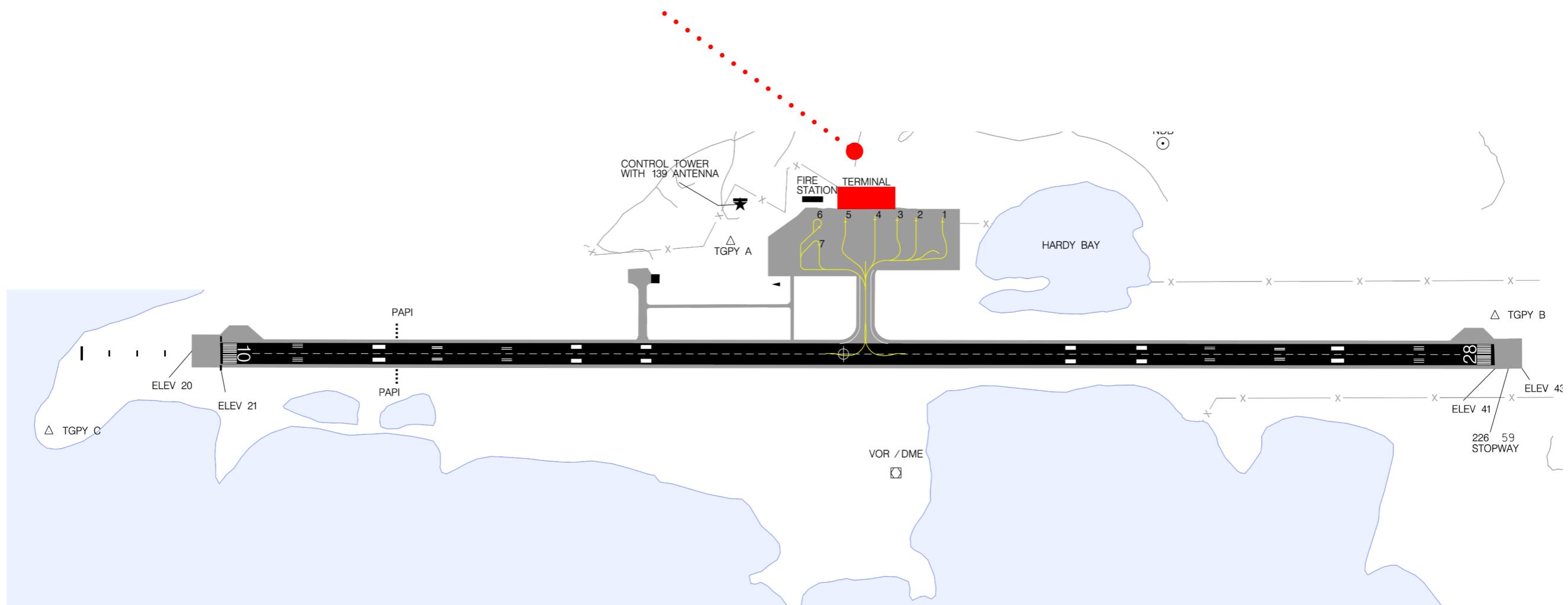
MMUN



# GRENADA MAURICE BISHOP INTERNATIONAL AIRPORT

TGPy

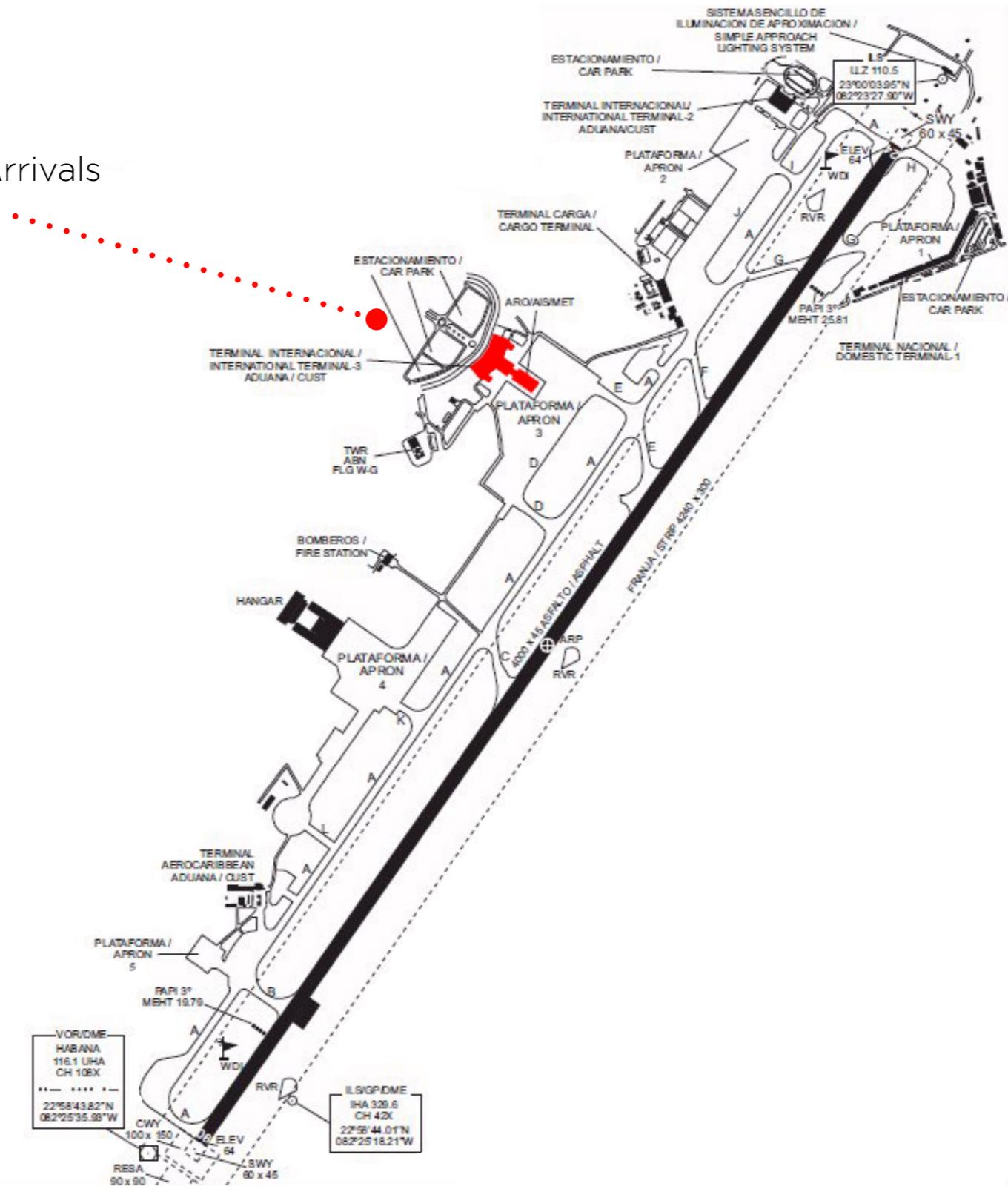
Aircraft Departure & Arrivals  
Main Terminal



# HAVANA JOSE MARTI INTERNATIONAL AIRPORT

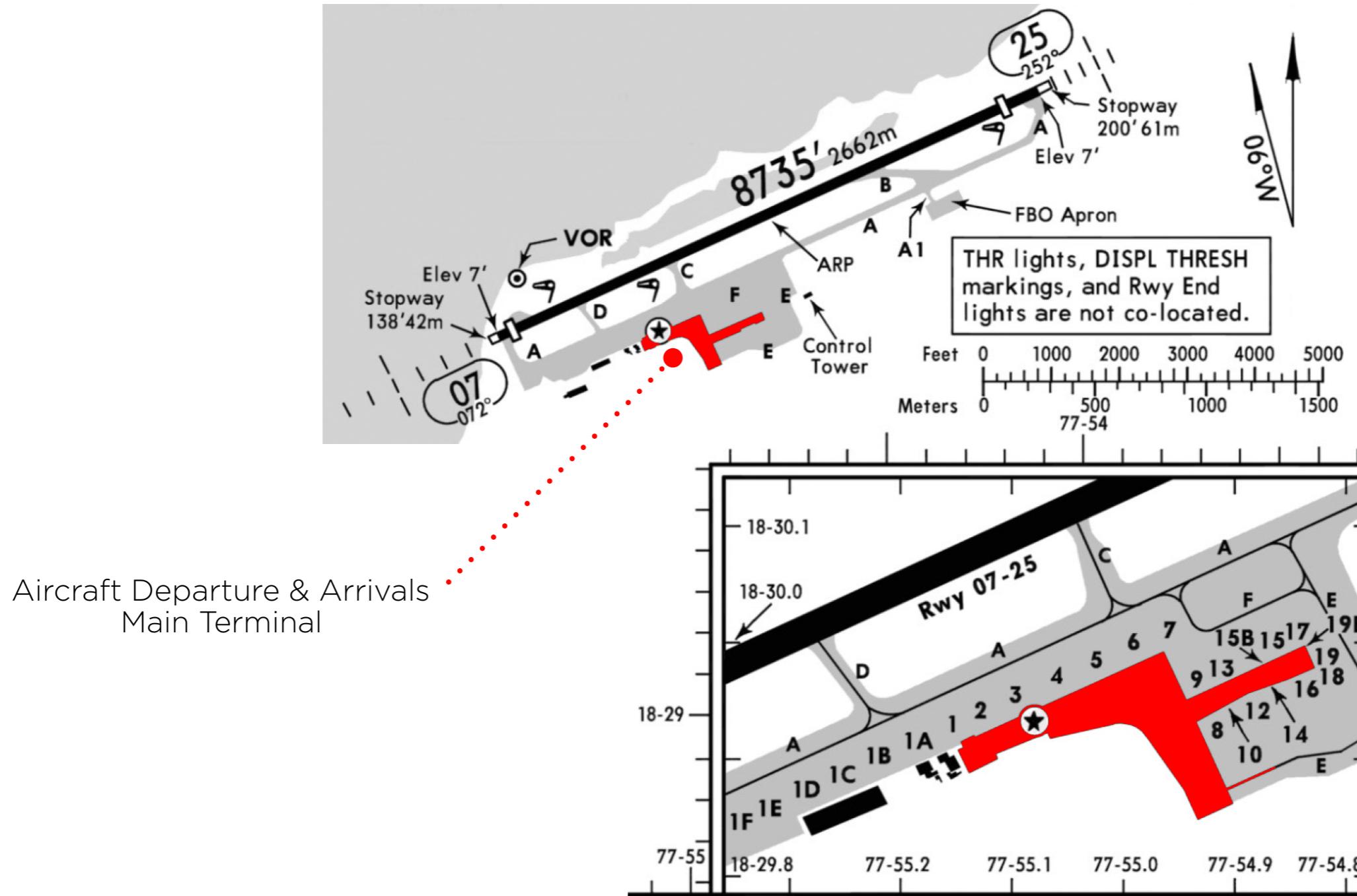
MUHA

Aircraft Departure & Arrivals  
Terminal 3



# MONTEGO BAY SANGSTER INTERNATIONAL AIRPORT, JAMAICA

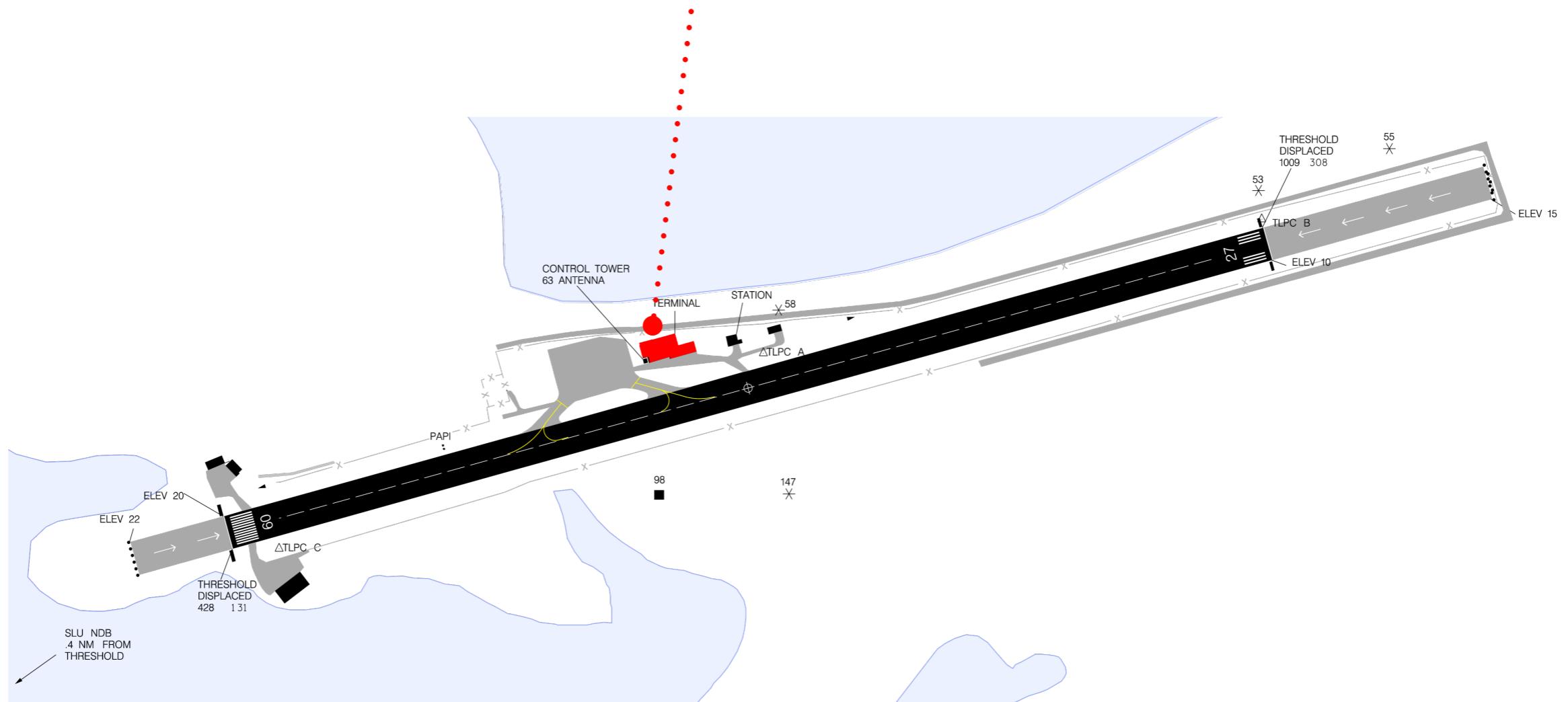
MKJS



# ST LUCIA HEWANORRA INTERNATIONAL AIRPORT

TLPL

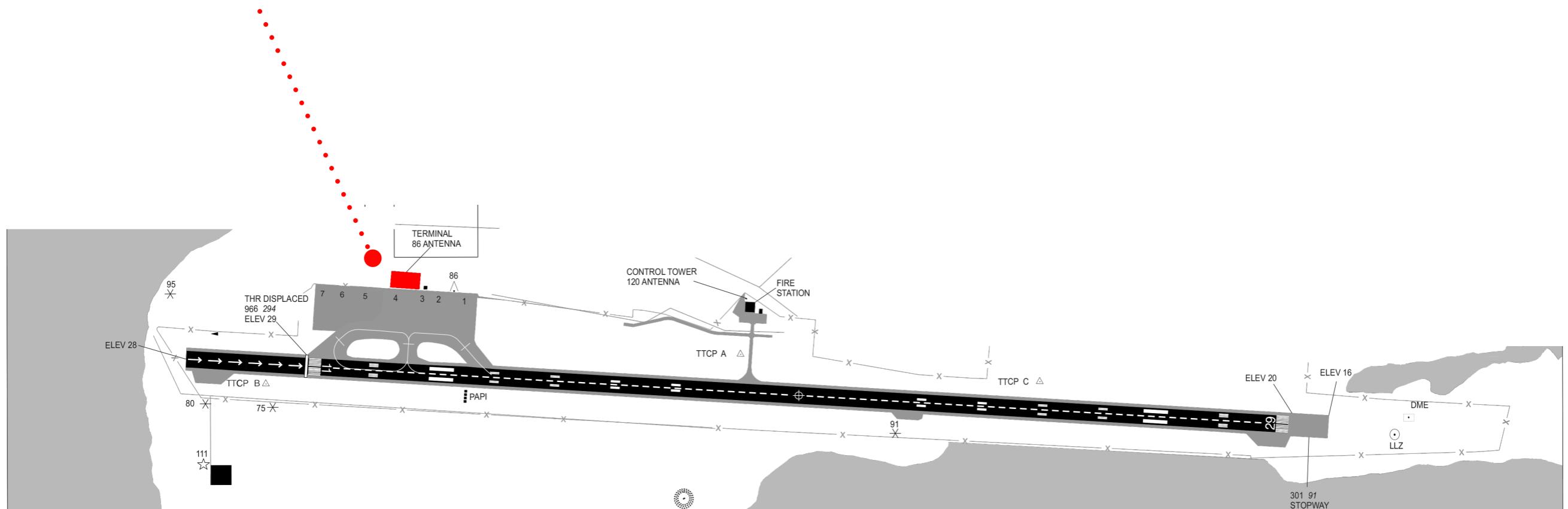
Aircraft Departure & Arrivals  
Main Terminal



# TOBAGO A.N.R ROBINSON INTERNATIONAL AIRPORT

TTCP

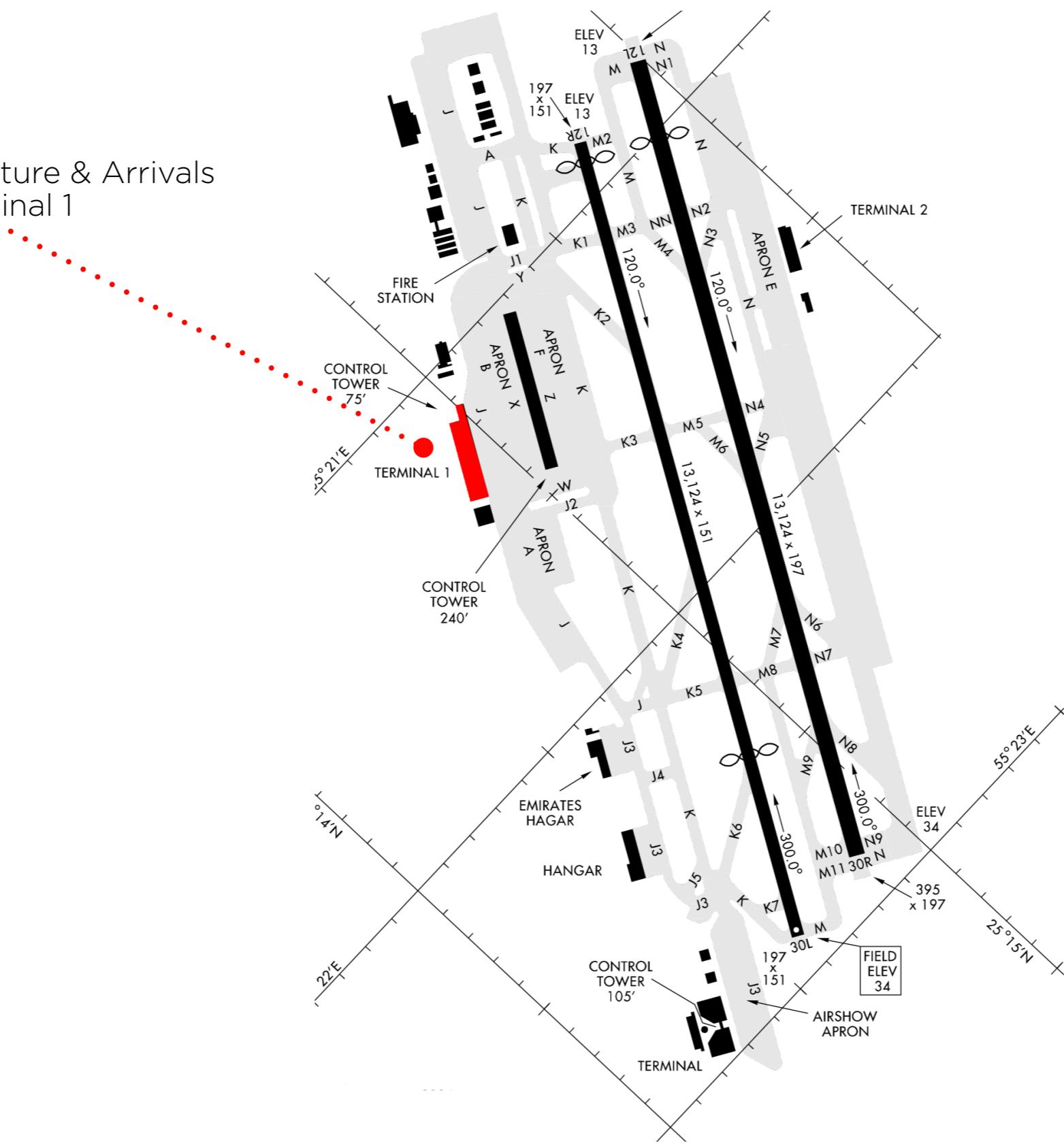
## Aircraft Departure & Arrivals Terminal 1



# DUBAI INTERNATIONAL AIRPORT

OMDB

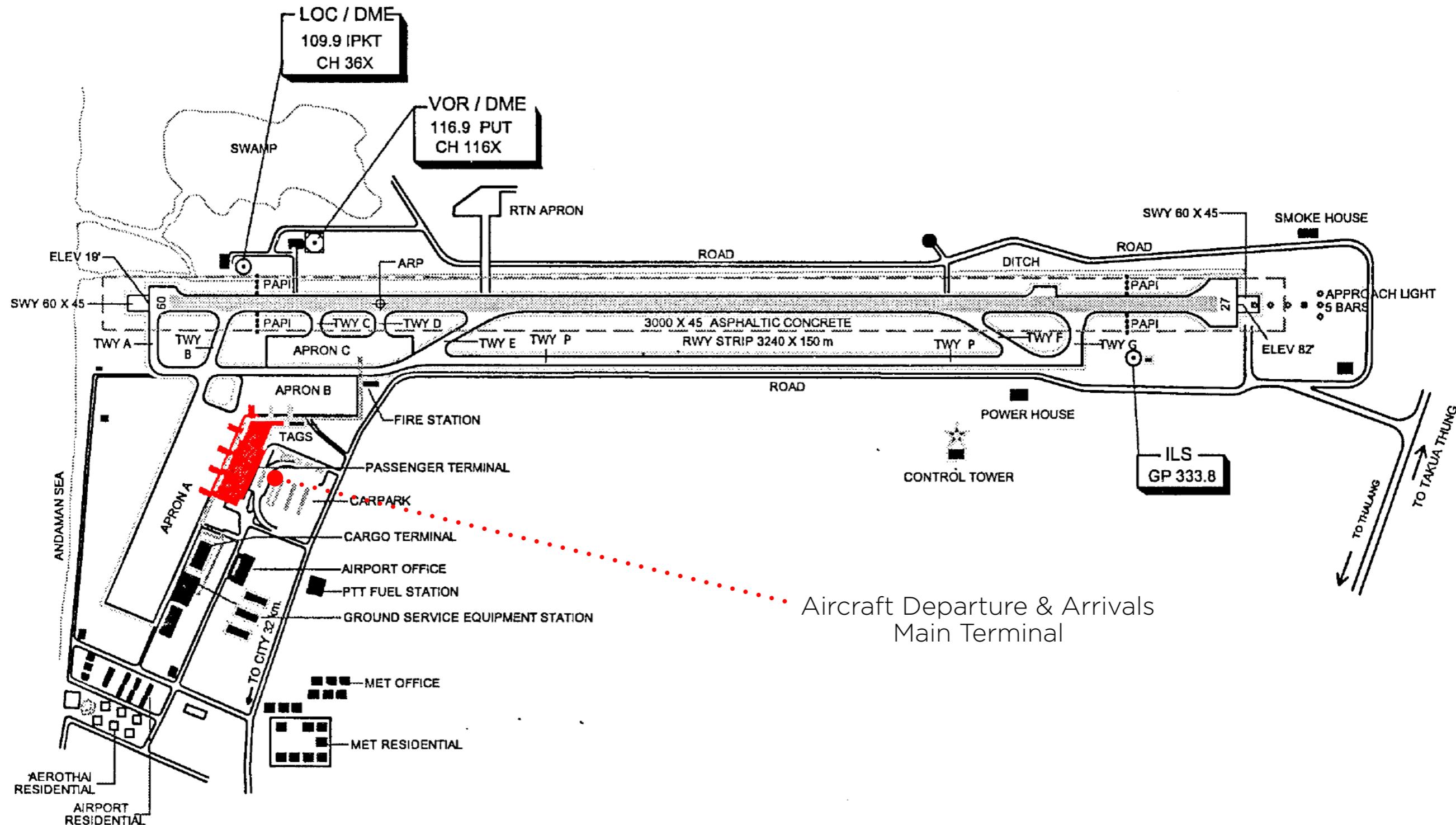
Aircraft Departure & Arrivals  
Terminal 1



# PHUQUET INTERNATIONAL AIRPORT, THAILAND

VTSP

\* SPECIAL CHARTER PERMISSION REQUIRED FROM STAFF



# VIRGIN ATLANTIC VIRTUAL - TERMINAL QUICK GUIDE

## **UK & EUROPE**

Belfast, UK – Main Terminal  
London Gatwick , UK-North Terminal  
London Heathrow , UK-Terminal 3  
Glasgow ,UK- Terminal M  
Manchester , UK-Terminal 2

## **USA**

New York, JFK , NY, USA- Terminal 2 or 4  
Newark, Liberty NJ, USA- Terminal B  
Miami , FL, USA- Concourse H  
Las Vegas, NV USA – Terminal 3  
Los Angeles , CA, USA- Terminal 2  
Orlando , FL, USA- Terminal A  
San Francisco, CA, USA – International Terminal  
Washington Dulles, DC, USA -Terminal B  
Boston, MA, USA – Terminal E  
Atlanta, GA, USA – International Terminal  
Seattle, WA USA – Concourse S

## **ASIA**

Delhi, India- Terminal 3  
Hong Kong, China – Terminal 1  
Shanghai , China- Terminal 2  
Johannesburg , Sourth Africa- Terminal A  
Lagos, Nigeria - International Terminal  
Phucket, Thailand- Main Terminal

## **CARIBBEAN**

Antigua, Antigua & Barbuda- The New Terminal  
Barbados Grantley Adams – Terminal 1  
Cancun, Mexico – Terminal 4  
Grenada – Maurice Bishop – Main Terminal  
Havana, Cuba – Jose Marti – Terminal 3  
Montego Bay Sangster, Jamaica – Main Terminal  
St Lucia – Hewanorra , St Lucia- Main Terminal  
Tobago A.N.R Robinson, Tobago – Terminal 1

## **MIDDLE EAST**

Dubai International, UAE – Terminal 1





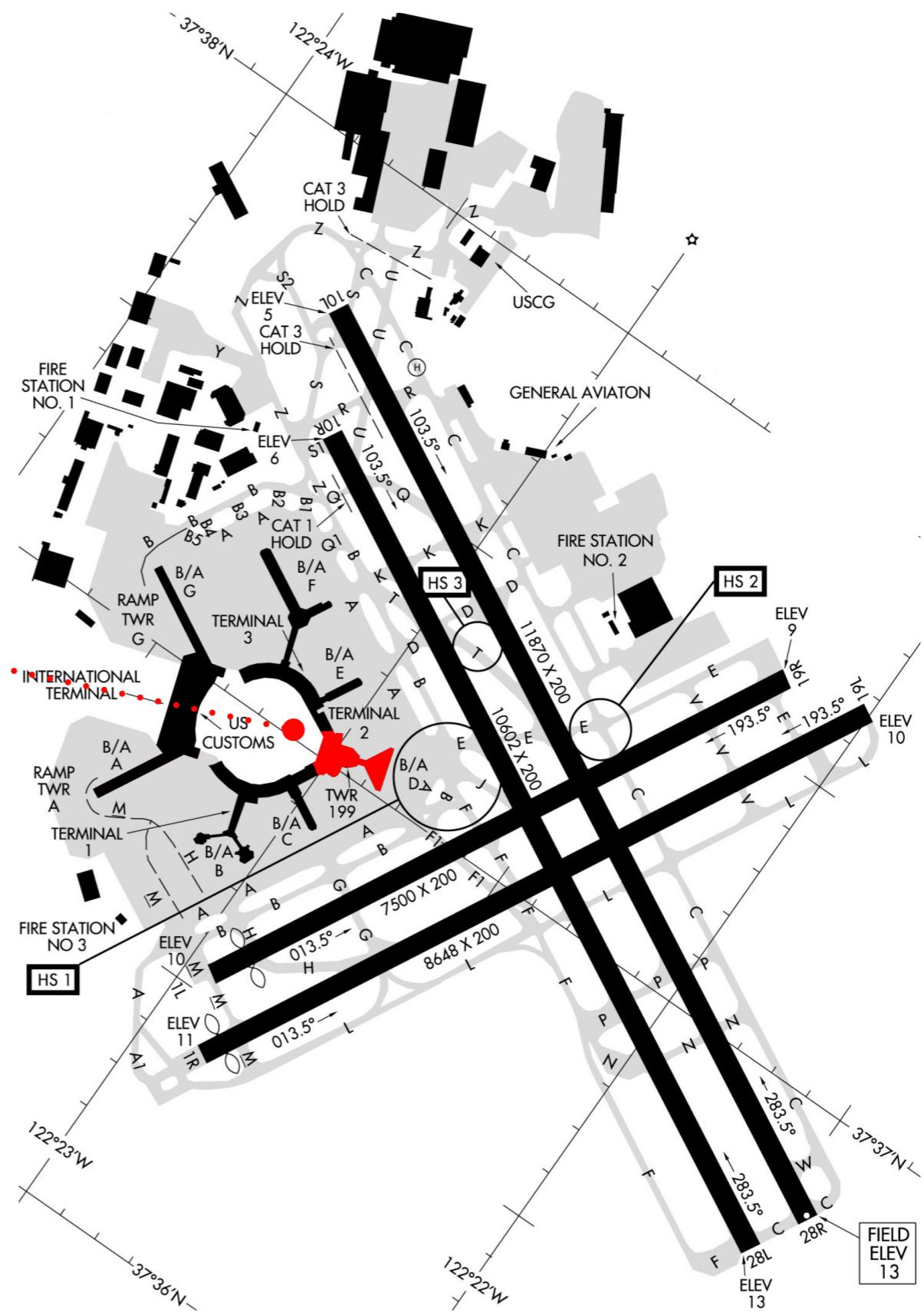
 virtual group

## VIRGIN AMERICA AIRPORT PARKING GUIDES

# SAN FRANCISCO INTERNATIONAL AIRPORT

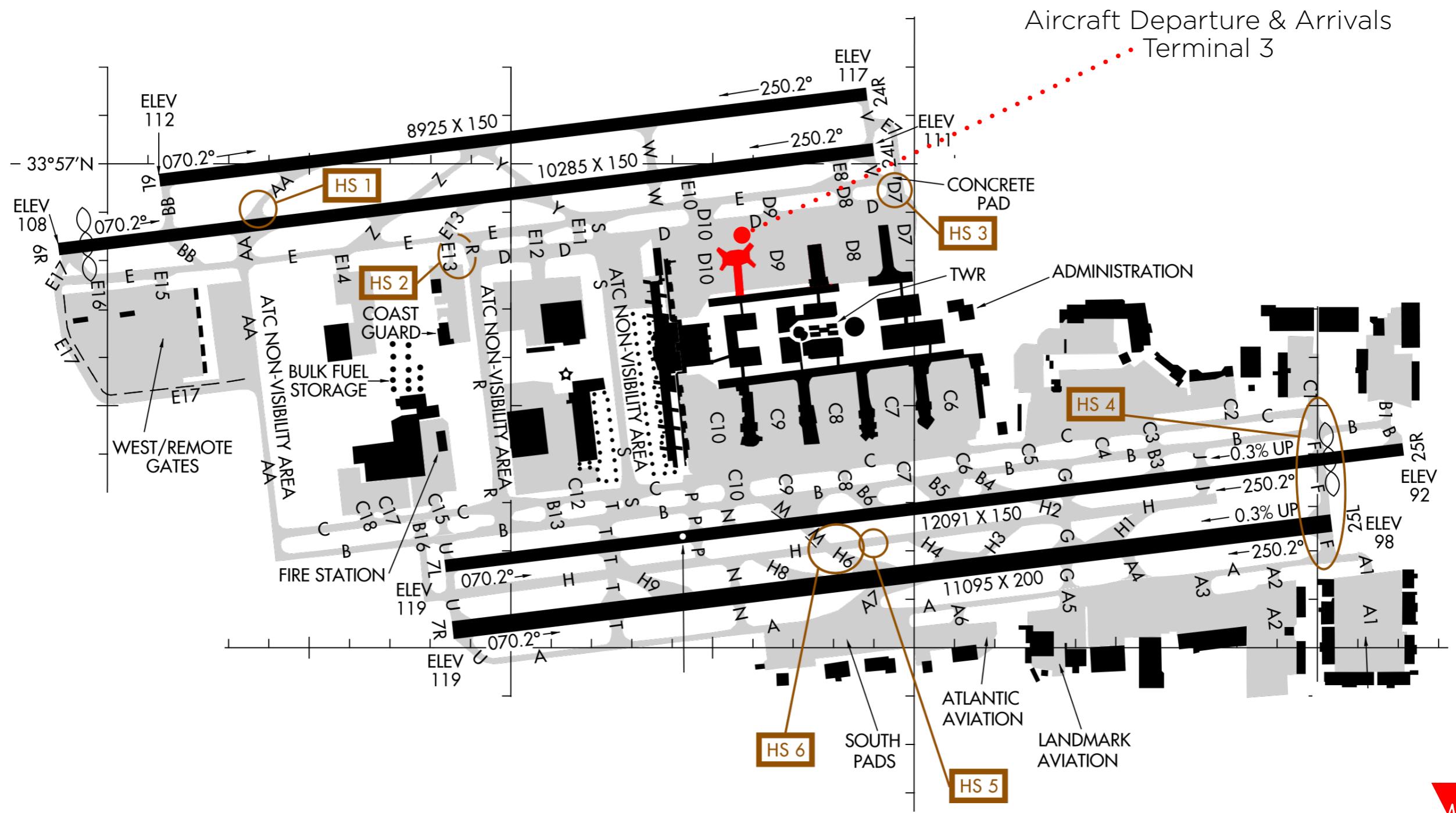
KSFO

Aircraft Departure & Arrivals  
Terminal 2



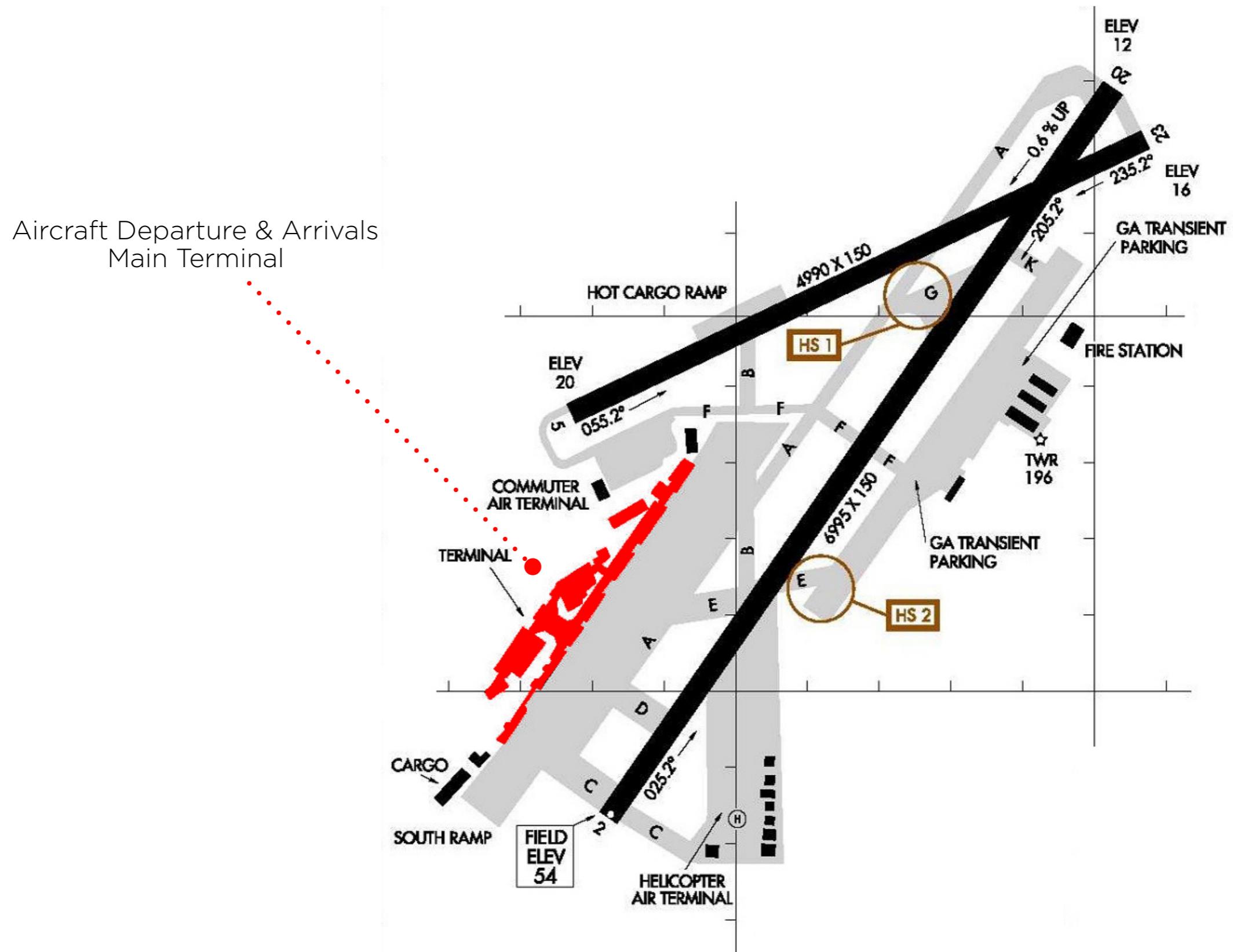
# LOS ANGELES INTERNATIONAL AIRPORT

KLAX



# KAHULUI (MAUI) INTERNATIONAL AIRPORT

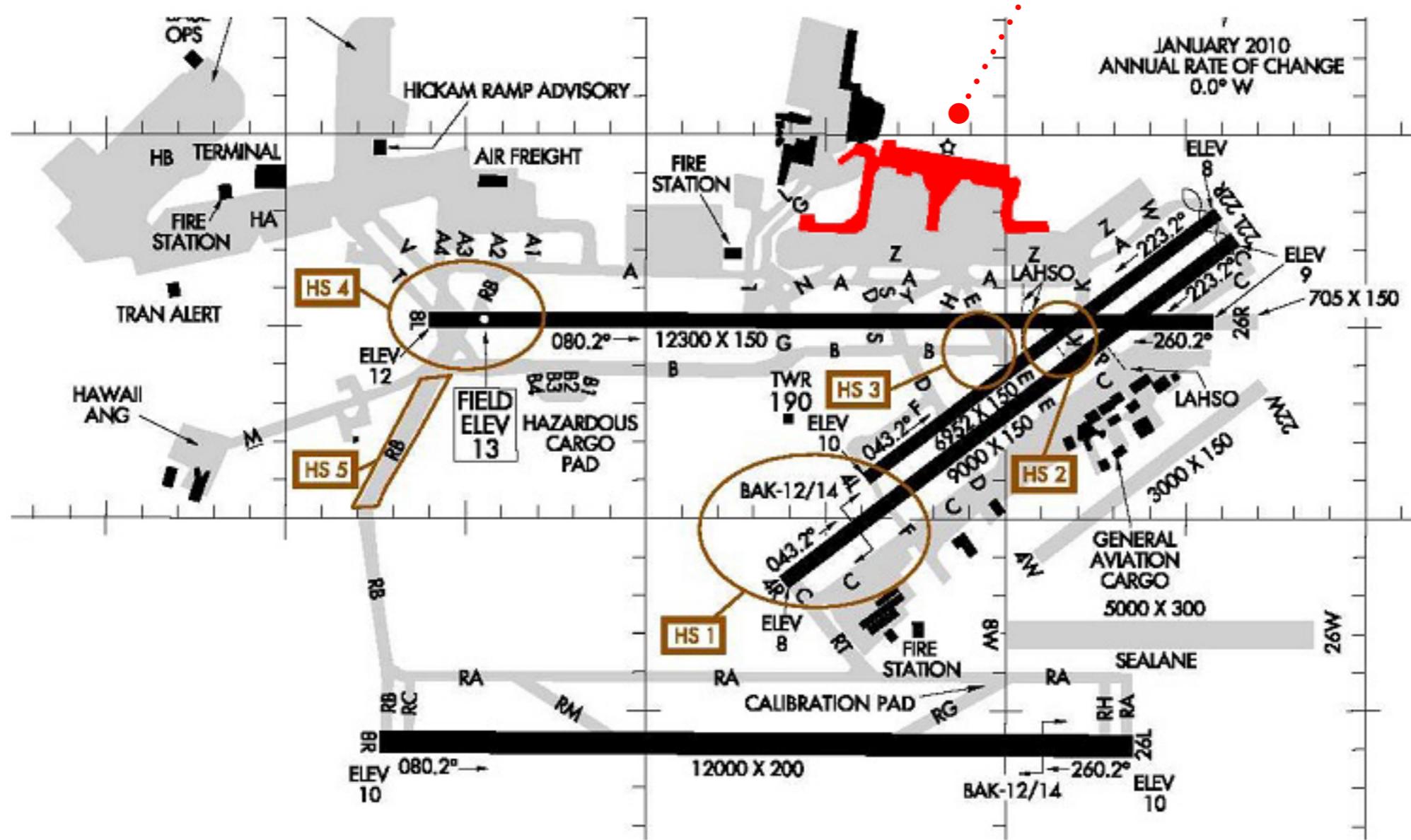
PHOG



# HONOLULU DANIEL K. INOUYE INTERNATIONAL AIRPORT

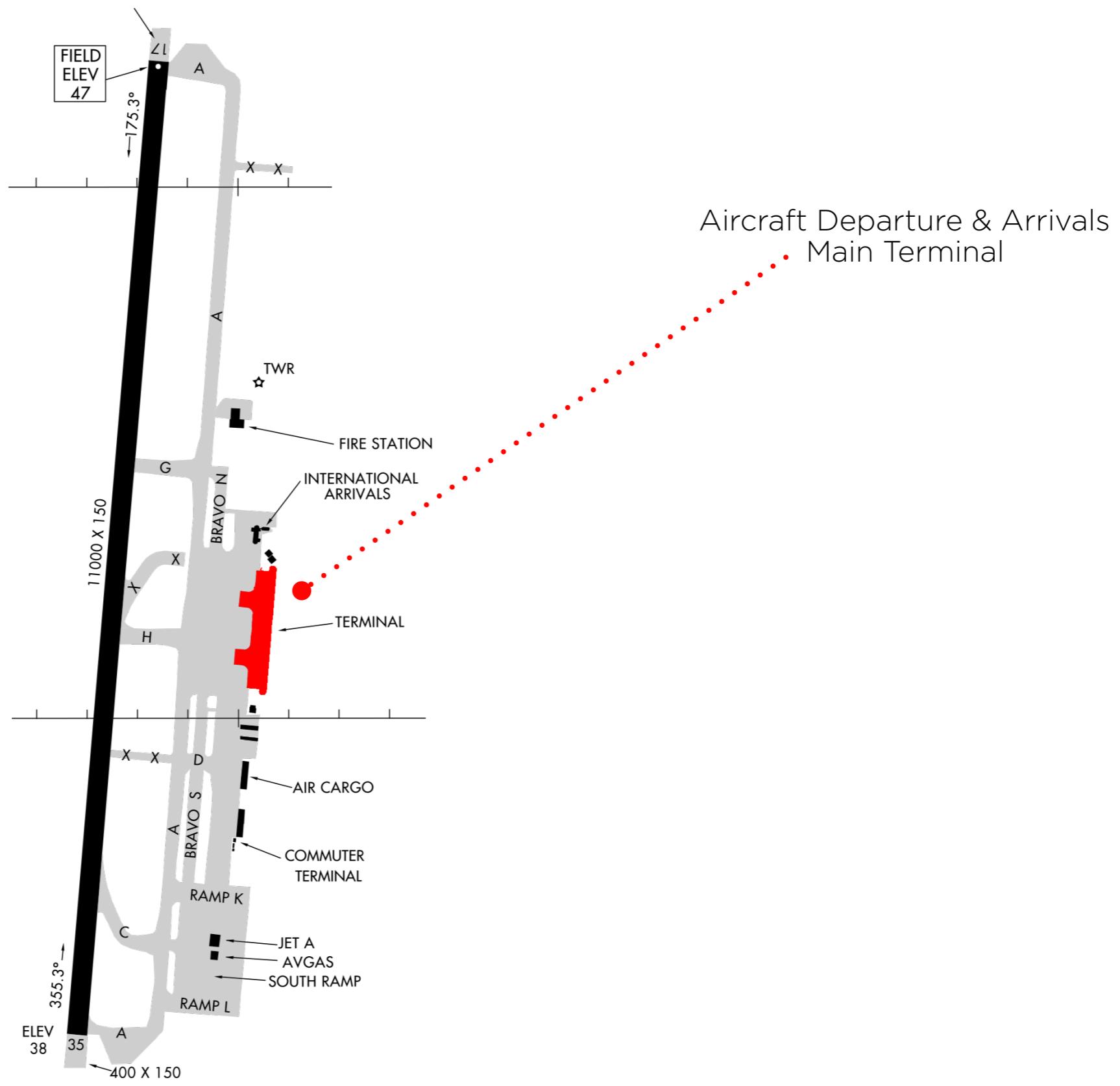
PHNL

Aircraft Departure & Arrivals  
Terminal 2



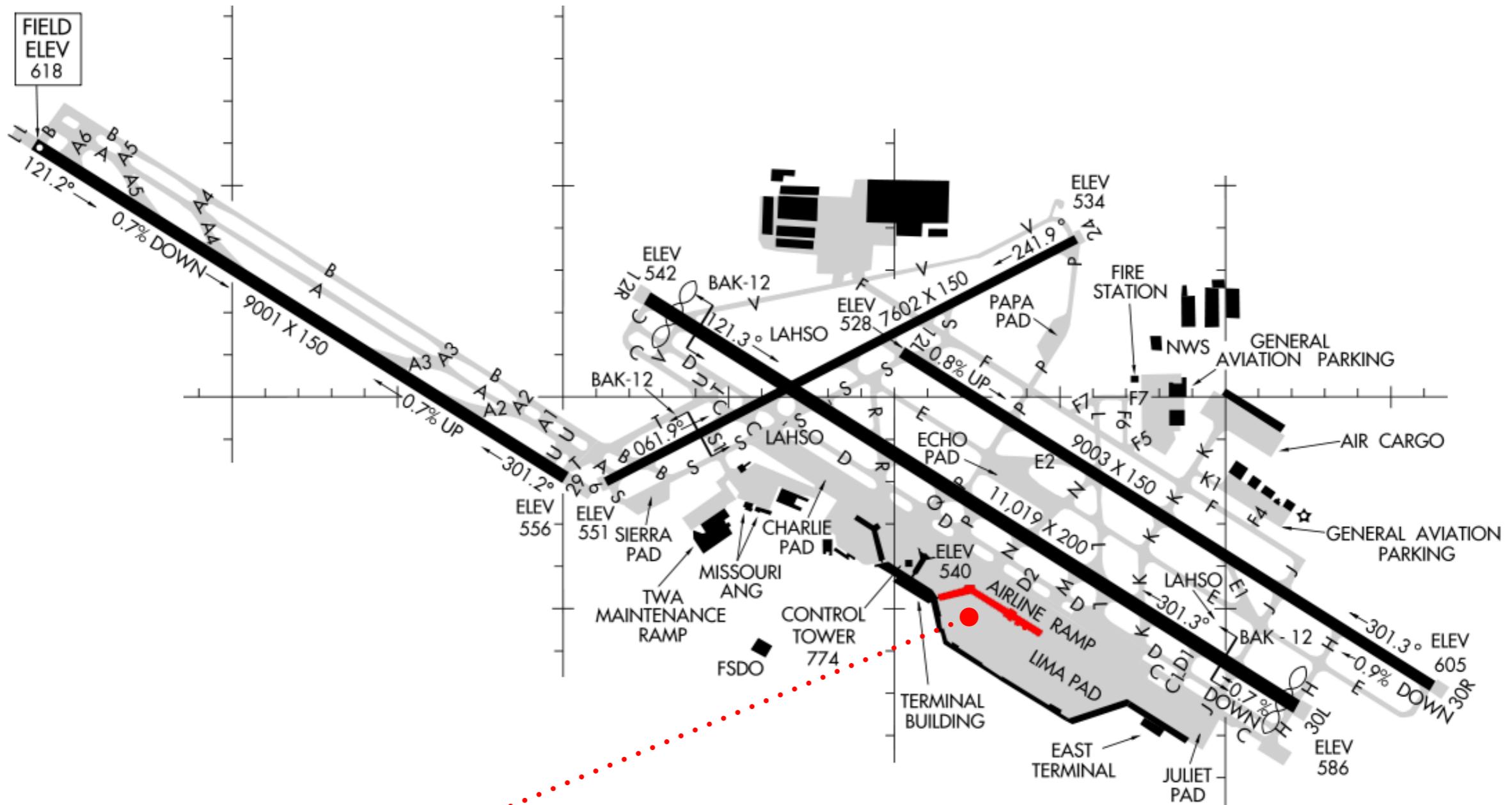
# KONA INTERNATIONAL AIRPORT AT KEAHOLE

PHKO



# ST LOUIS/LAMBERT FIELD INTERNATIONAL AIRPORT

KSFO

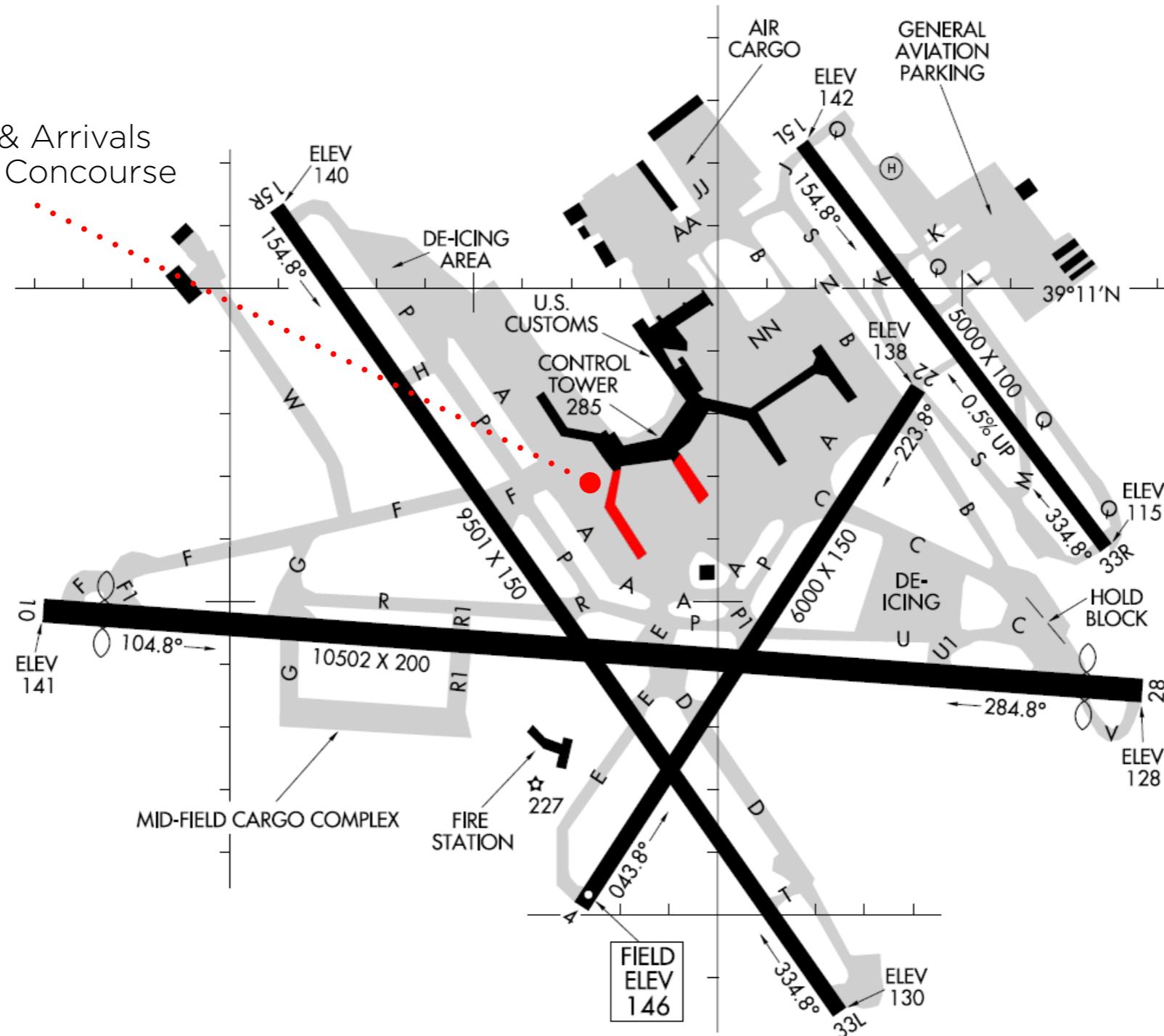


Aircraft Departure & Arrivals  
Main Terminal

# BALTIMORE-WASHINGTON INTERNATIONAL AIRPORT

KBWI

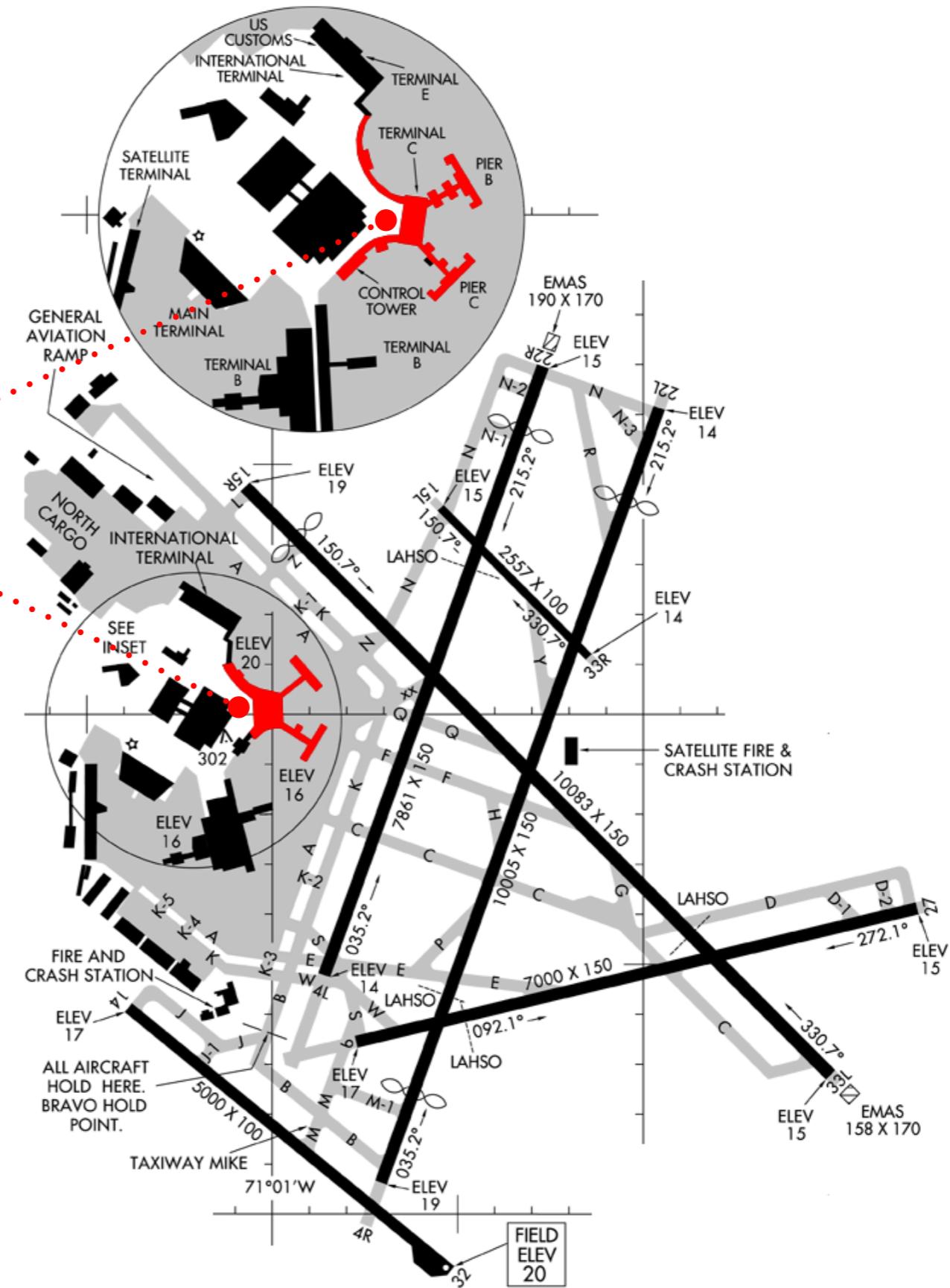
Aircraft Departure & Arrivals  
Main Terminal South Concourse



# BOSTON LOGAN INTERNATIONAL AIRPORT

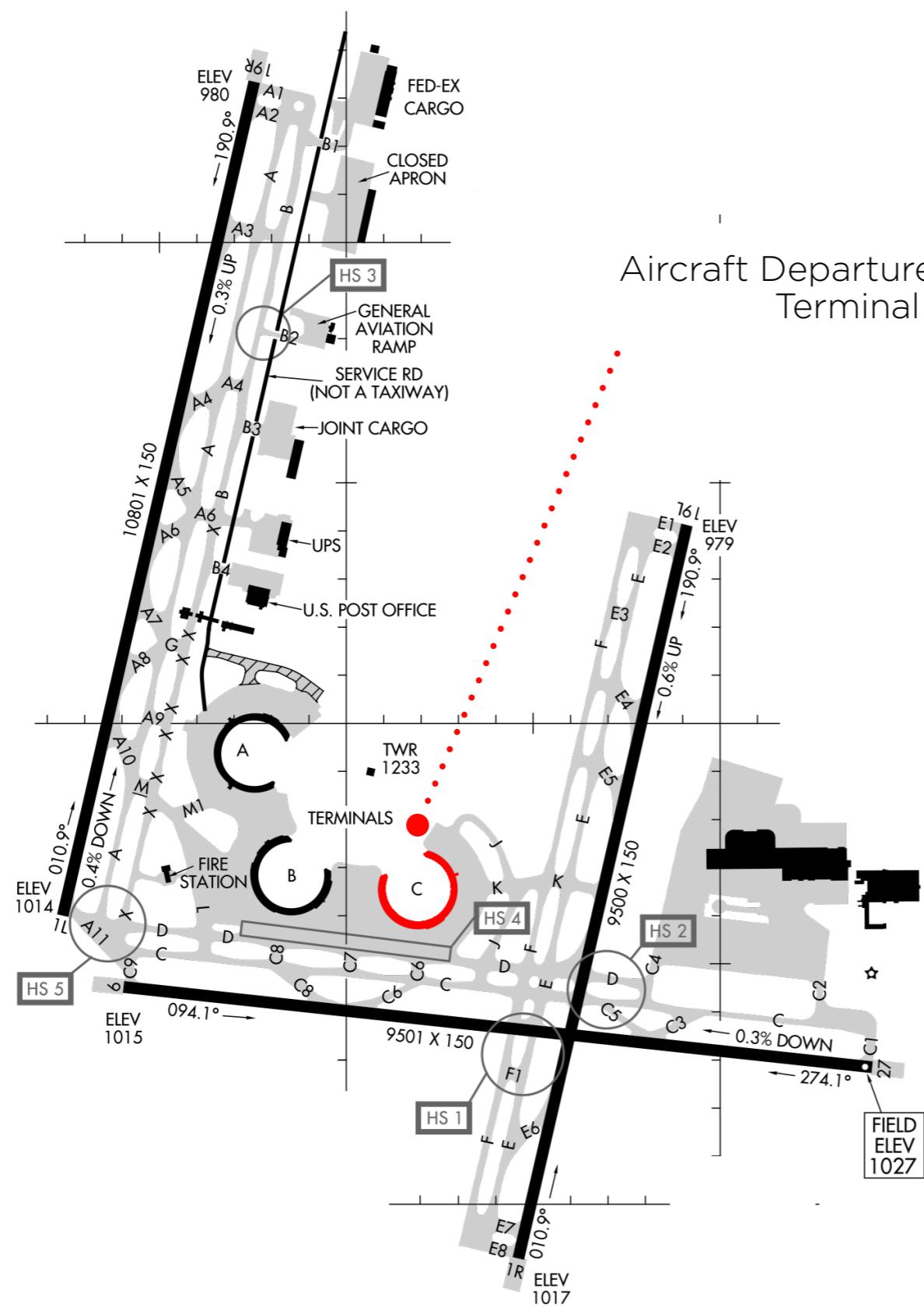
KBOS

Aircraft Departure & Arrivals  
Terminal C



# KANSAS CITY INTERNATIONAL AIRPORT

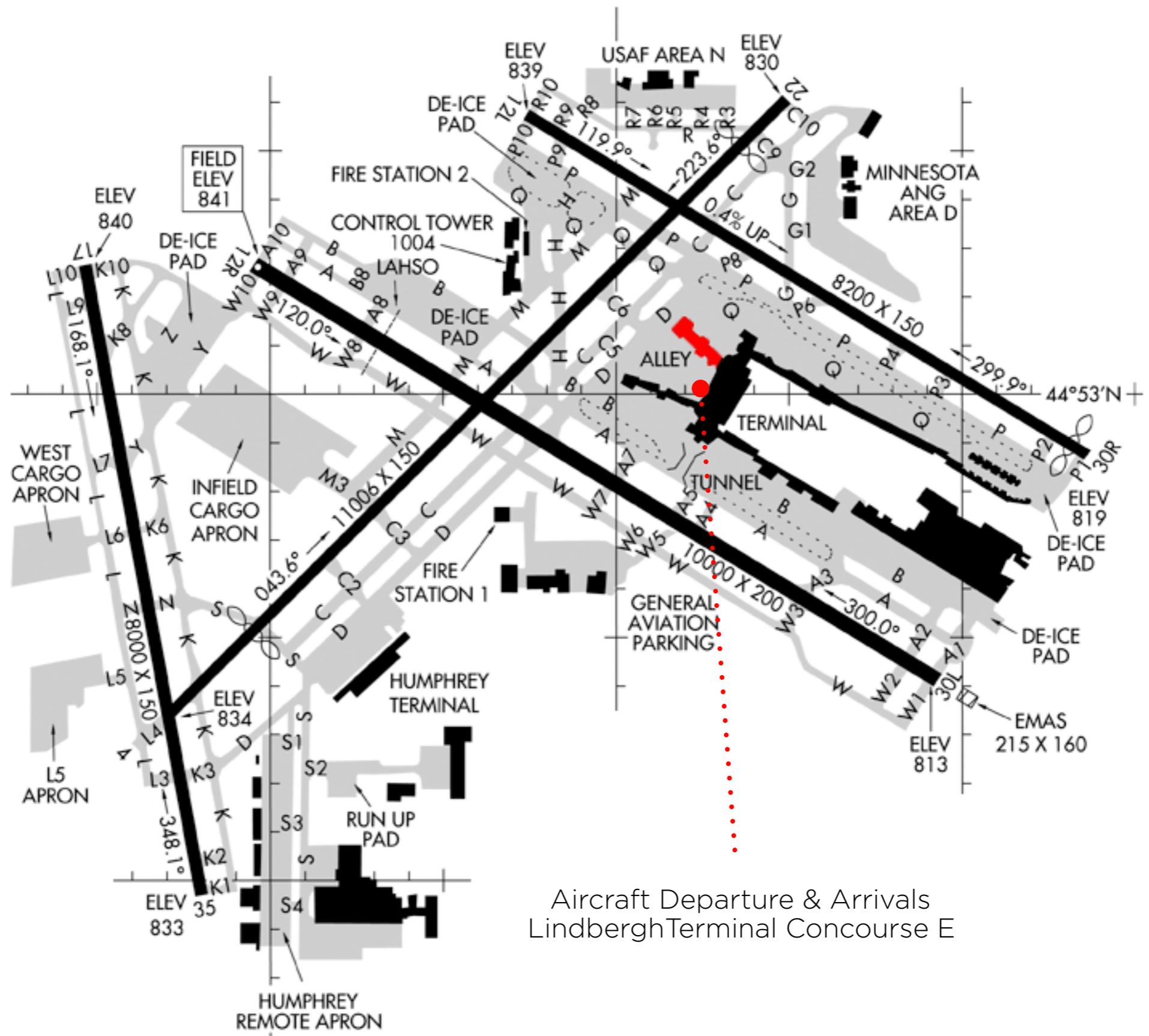
KMCI



Aircraft Departure & Arrivals  
Terminal C

# MINNEAPOLIS-ST PAUL INTERNATIONAL AIRPORT

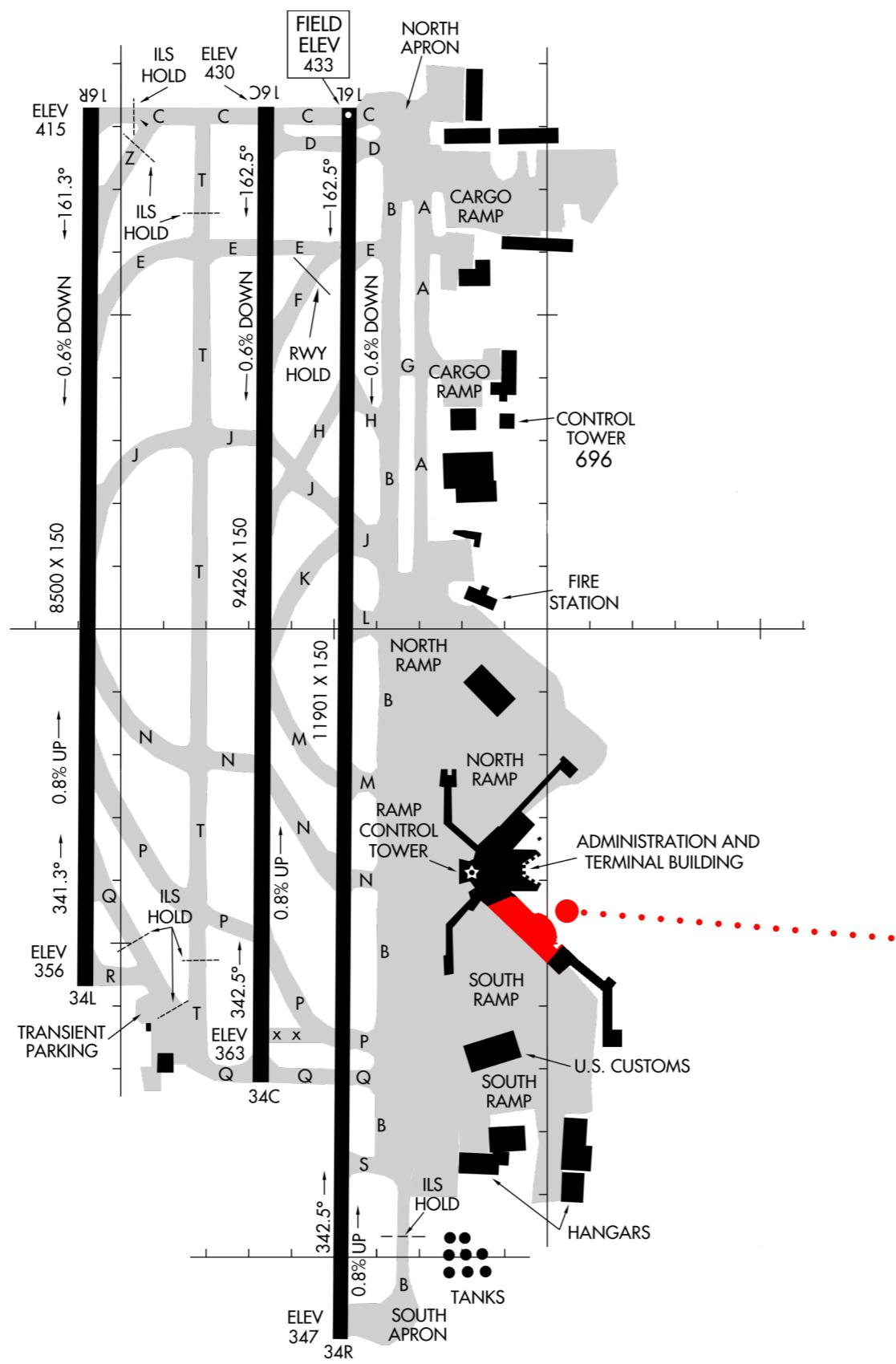
KMSP



Aircraft Departure & Arrivals  
Lindbergh Terminal Concourse E

# SEATTLE-TACOMA INTERNATIONAL AIRPORT

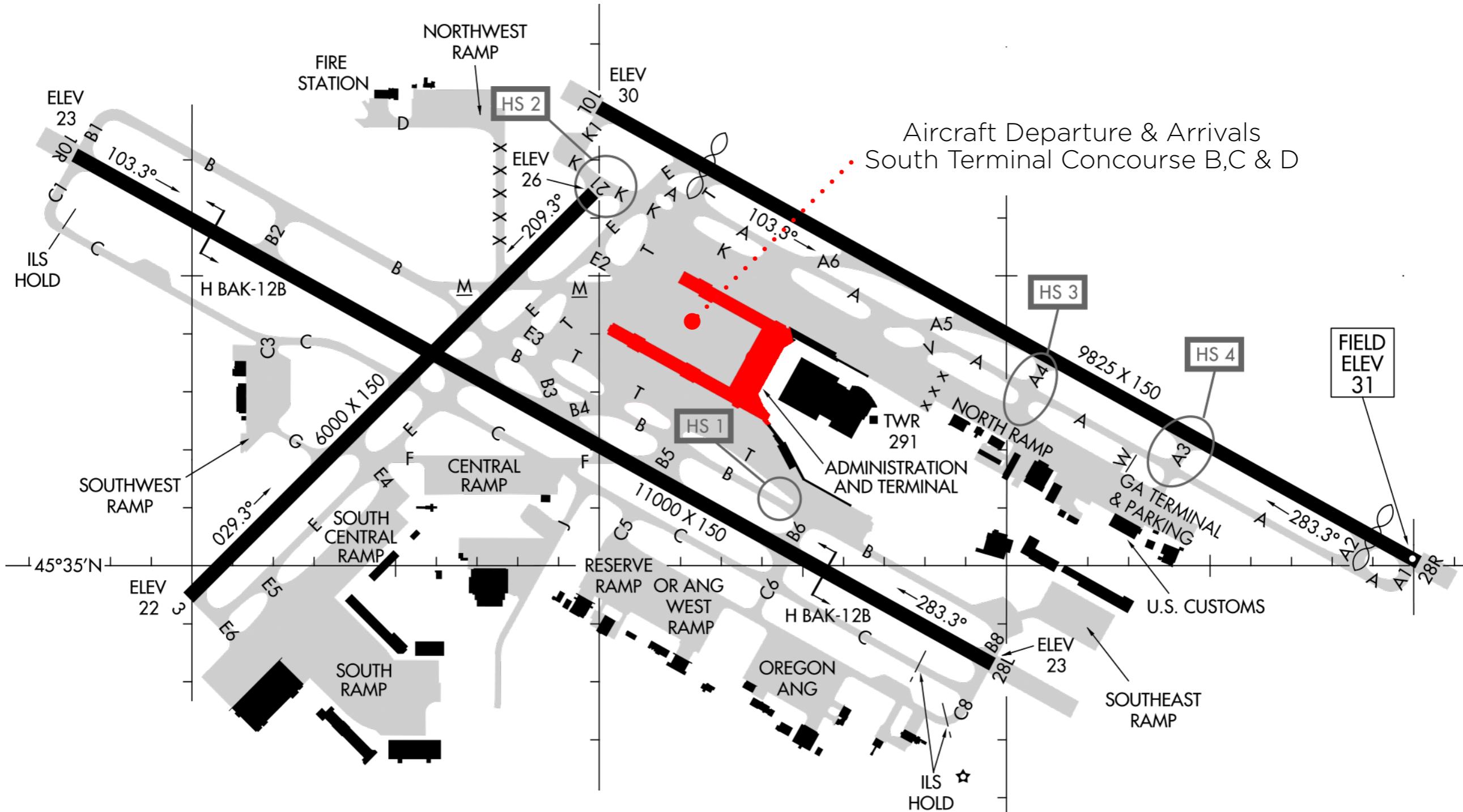
KSEA



Aircraft Departure & Arrivals  
South Terminal Concourse A

# PORLAND INTERNATIONAL AIRPORT

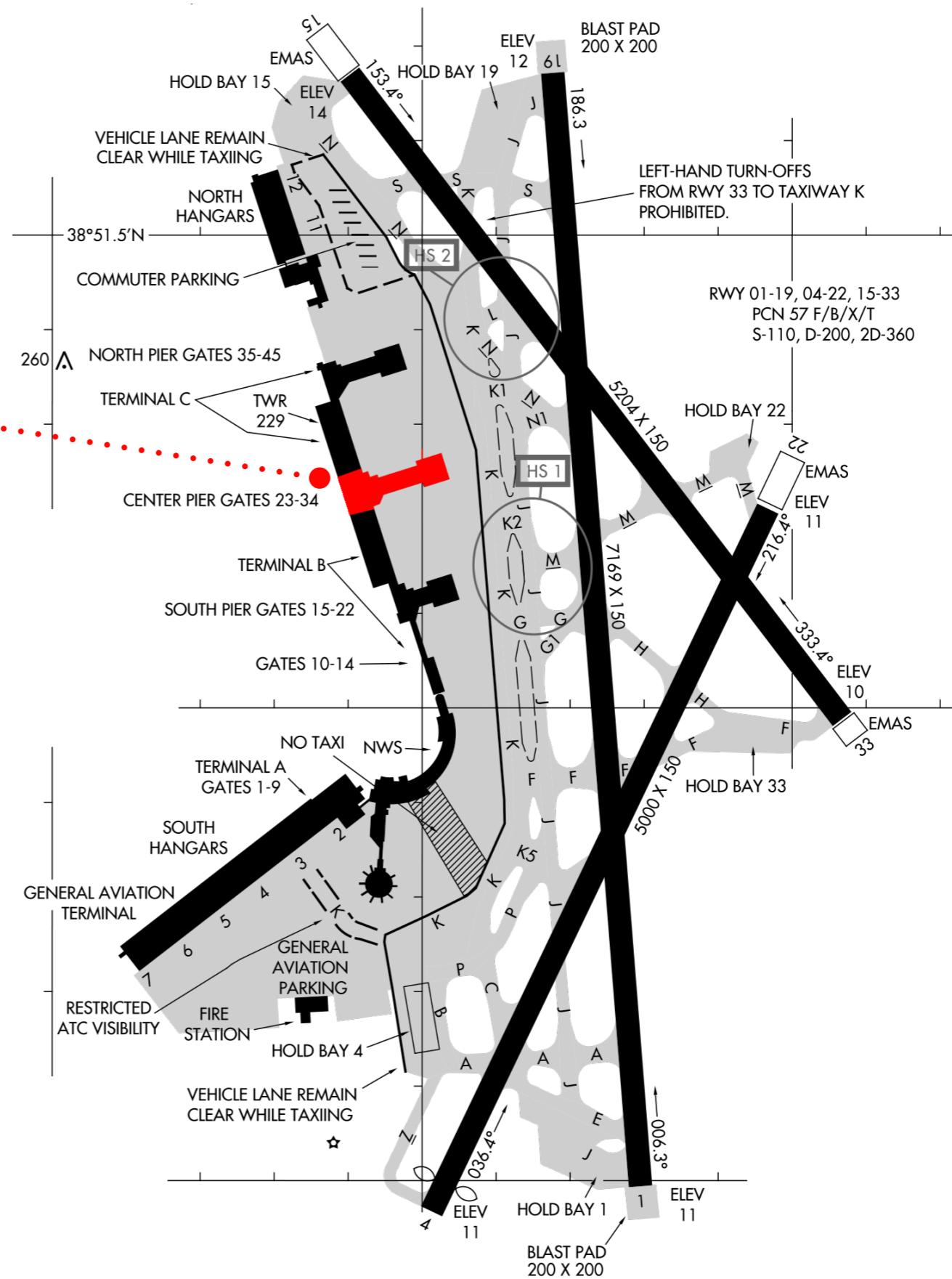
KPDX



# WASHINGTON D.C. REAGAN NATIONAL AIRPORT

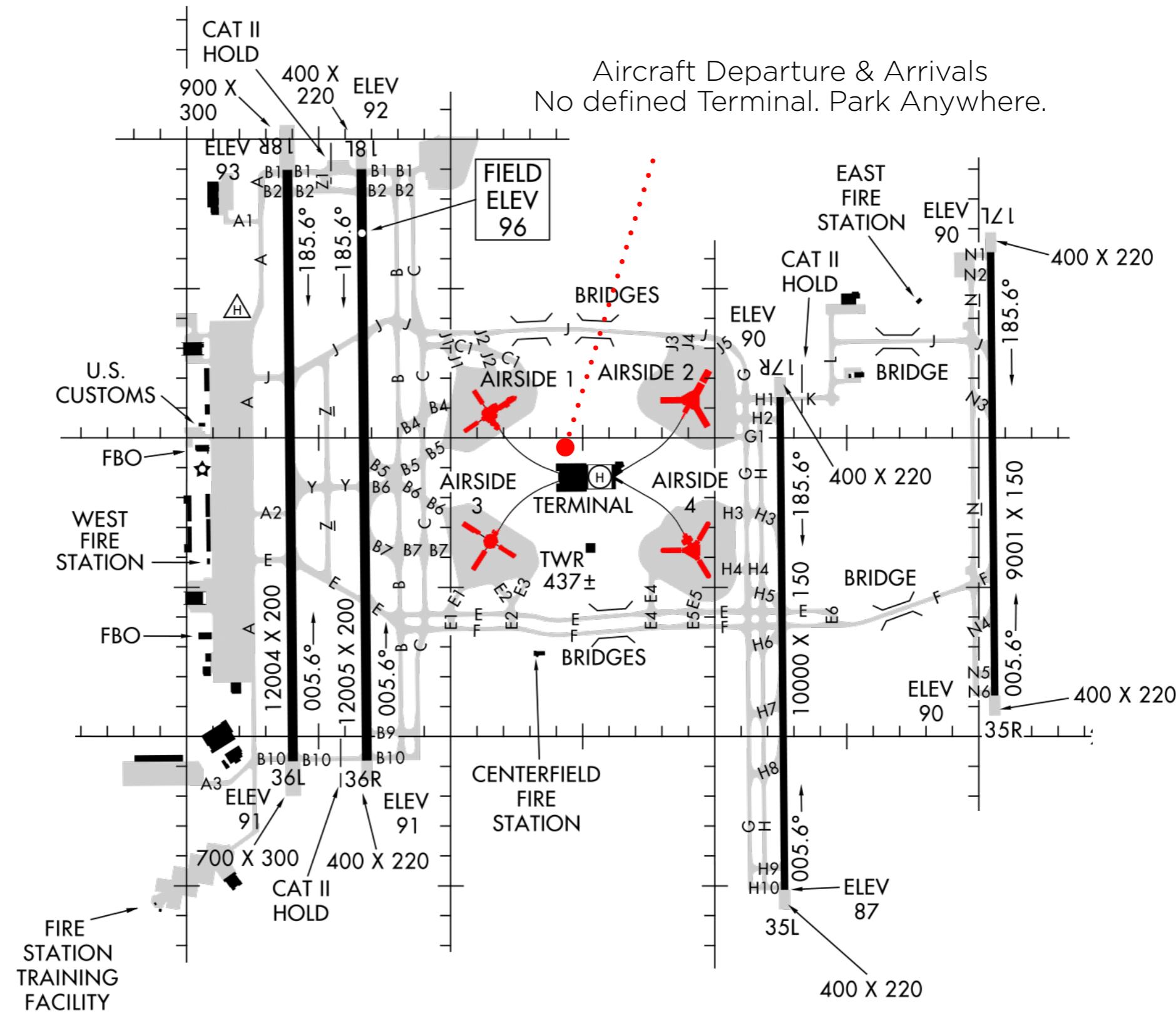
KDCA

Aircraft Departure & Arrivals  
Terminal B (Gates 23-34)



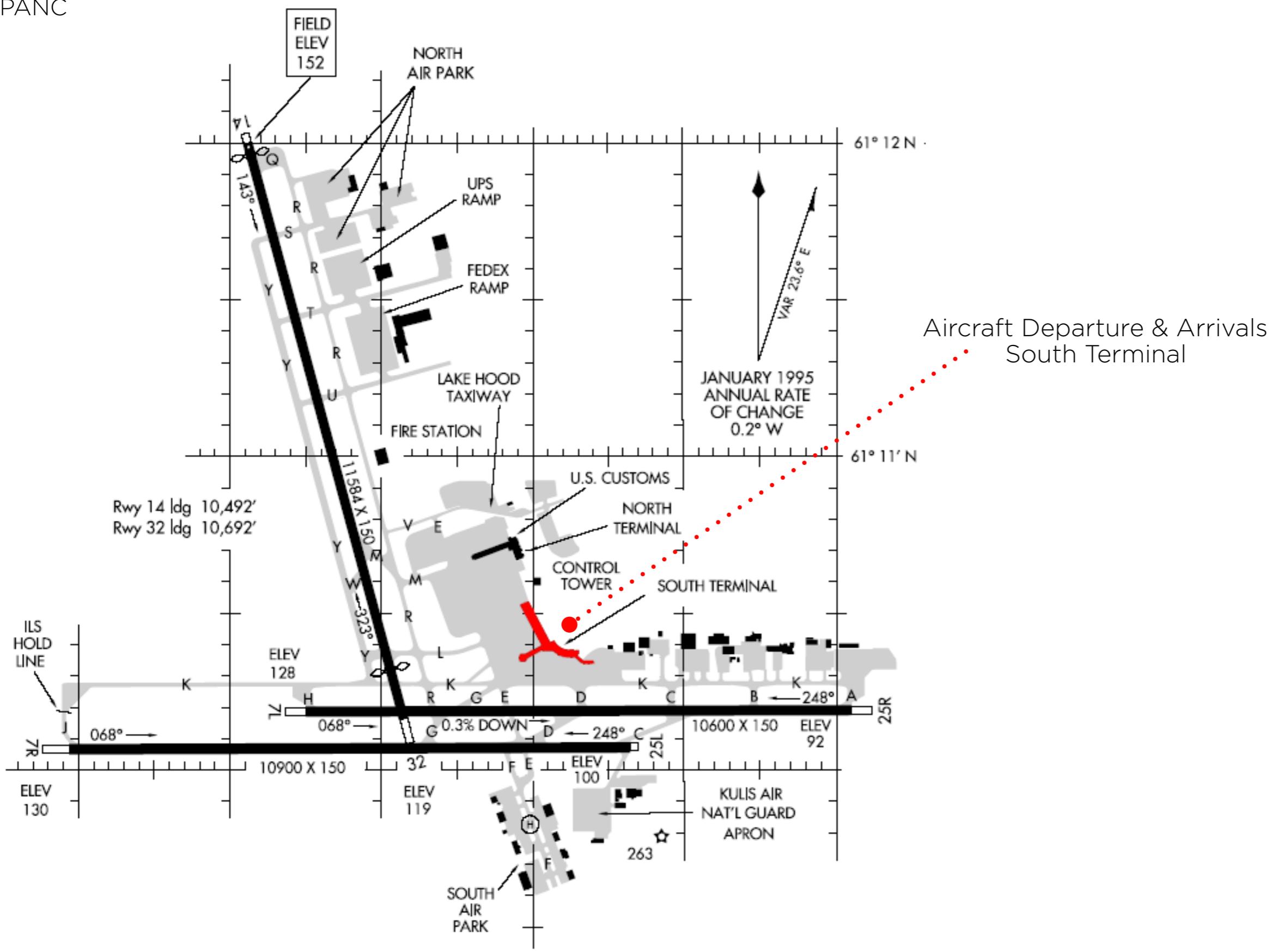
# ORLANDO INTERNATIONAL AIRPORT

KMCO



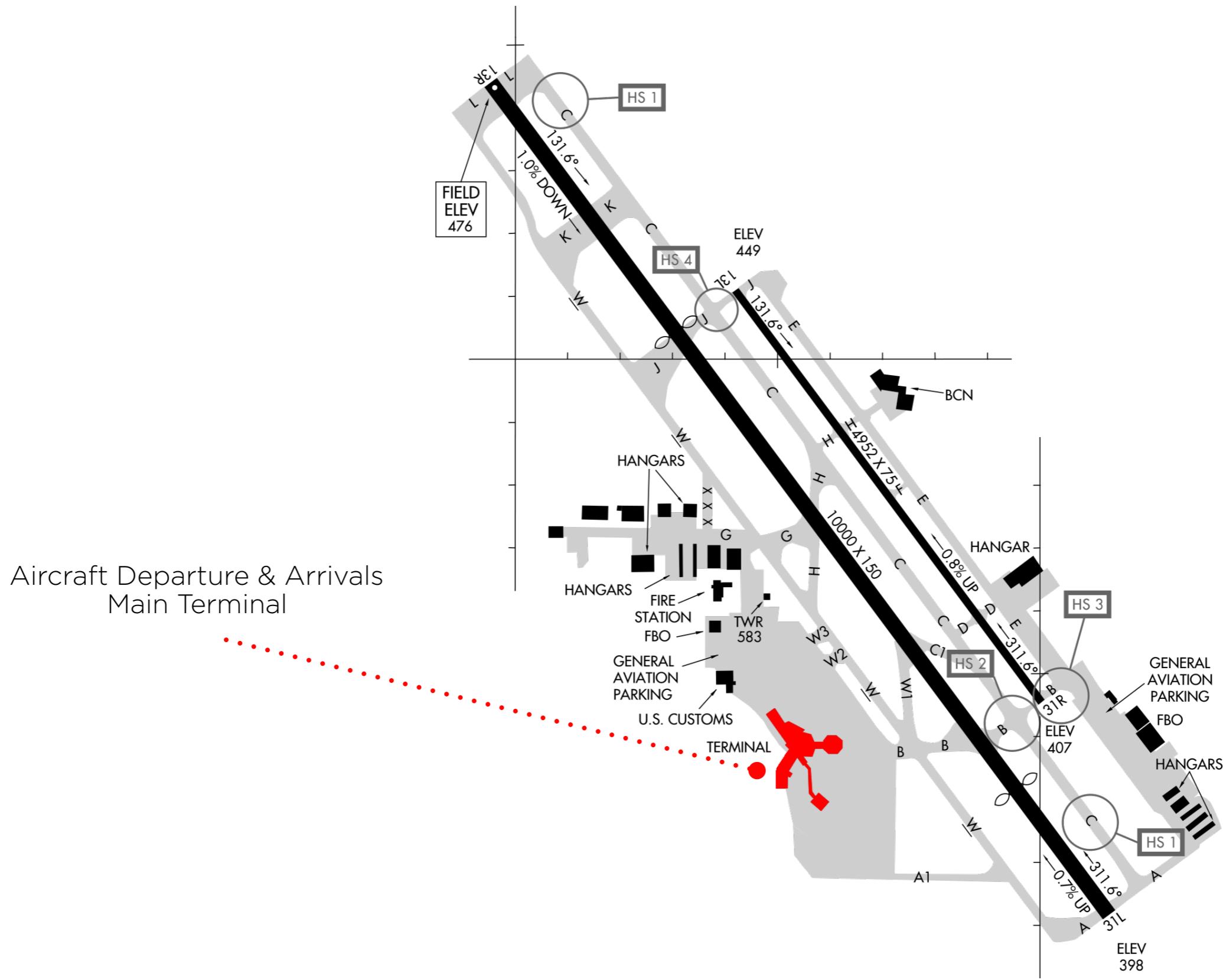
# ANCHORAGE TED STEVENS INTERNATIONAL AIRPORT

PANC



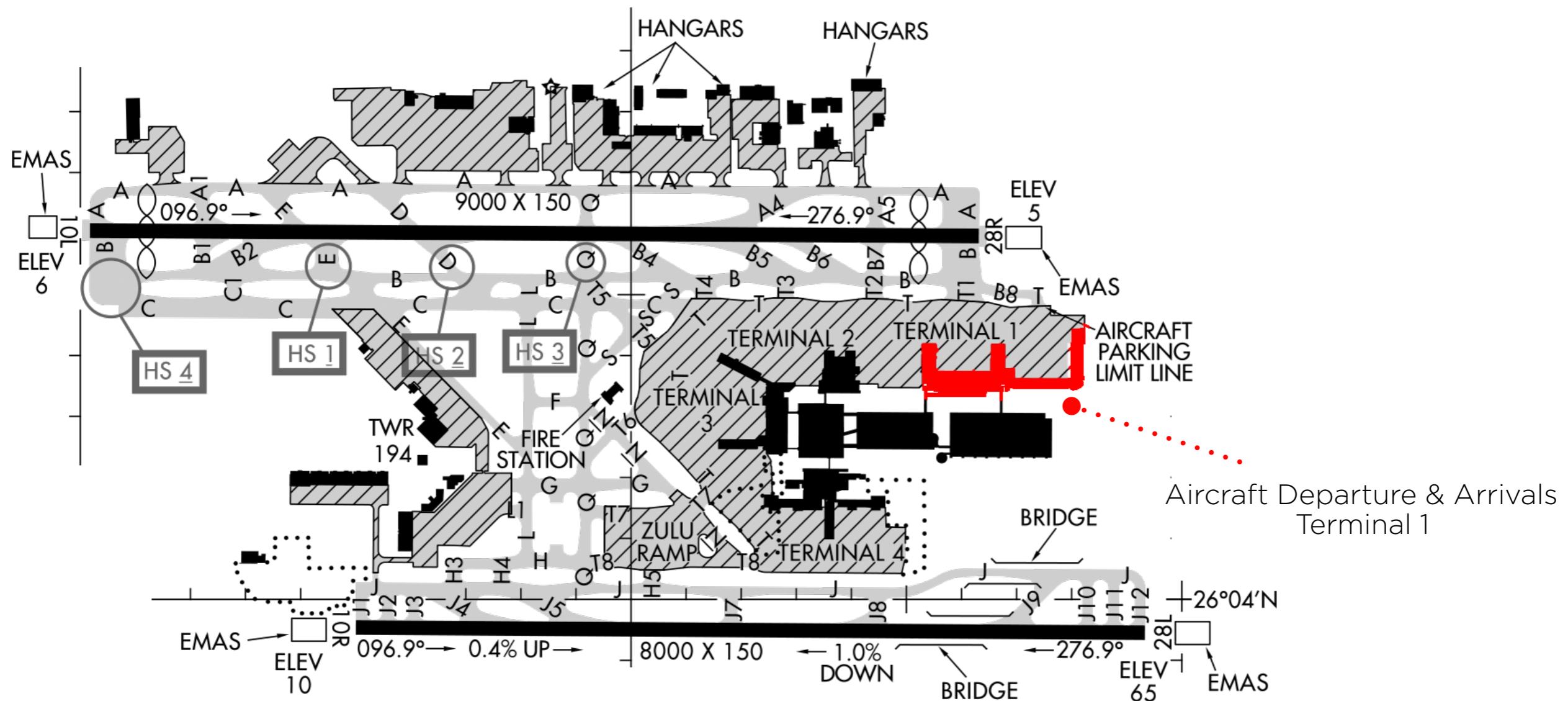
# PALM SPRINGS INTERNATIONAL AIRPORT

KPSP



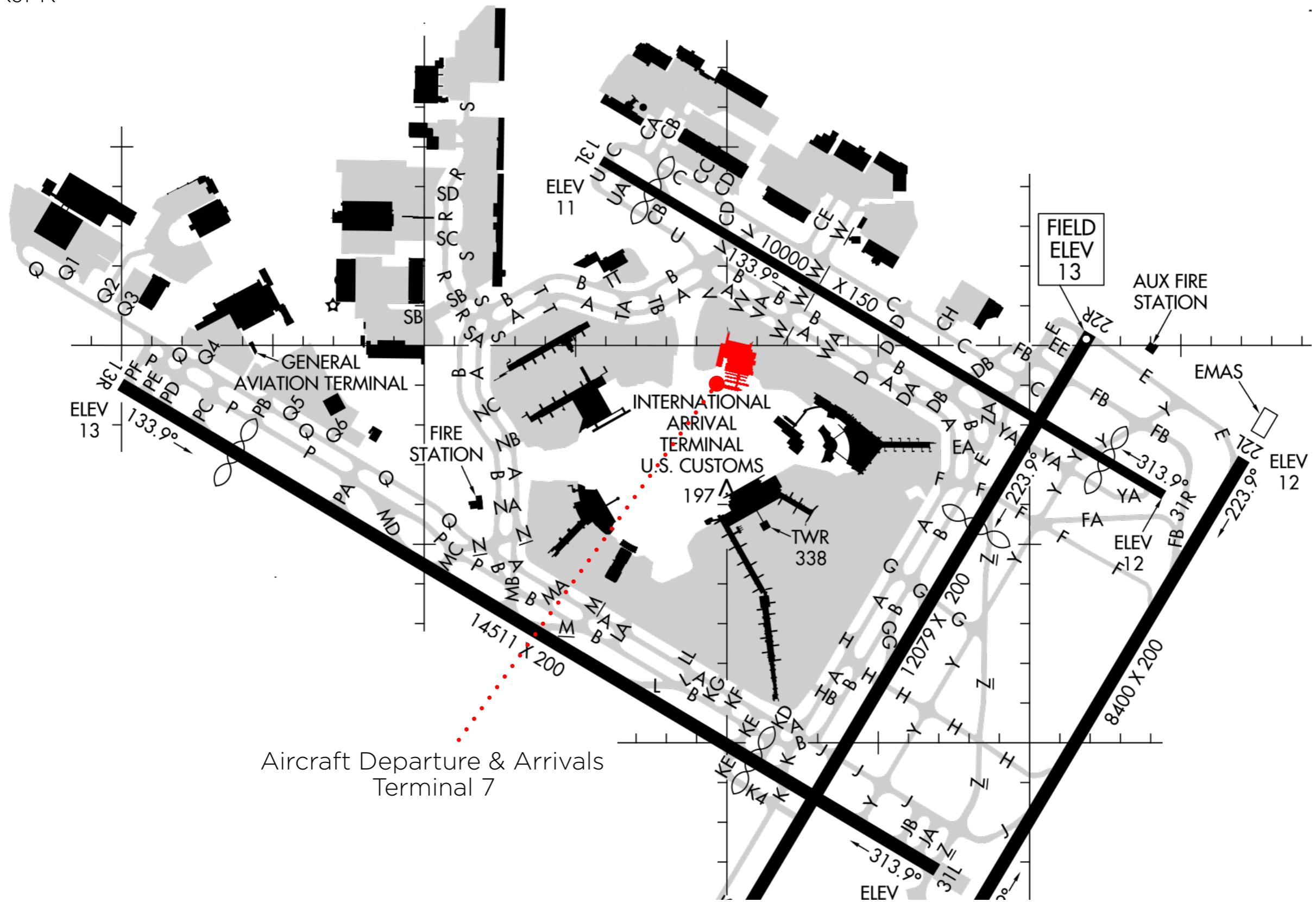
# Ft. LAUDERDALE - HOLLYWOOD INTERNATIONAL AIRPORT

KFLL



# NEW YORK JOHN F. KENNEDY INTERNATIONAL AIRPORT

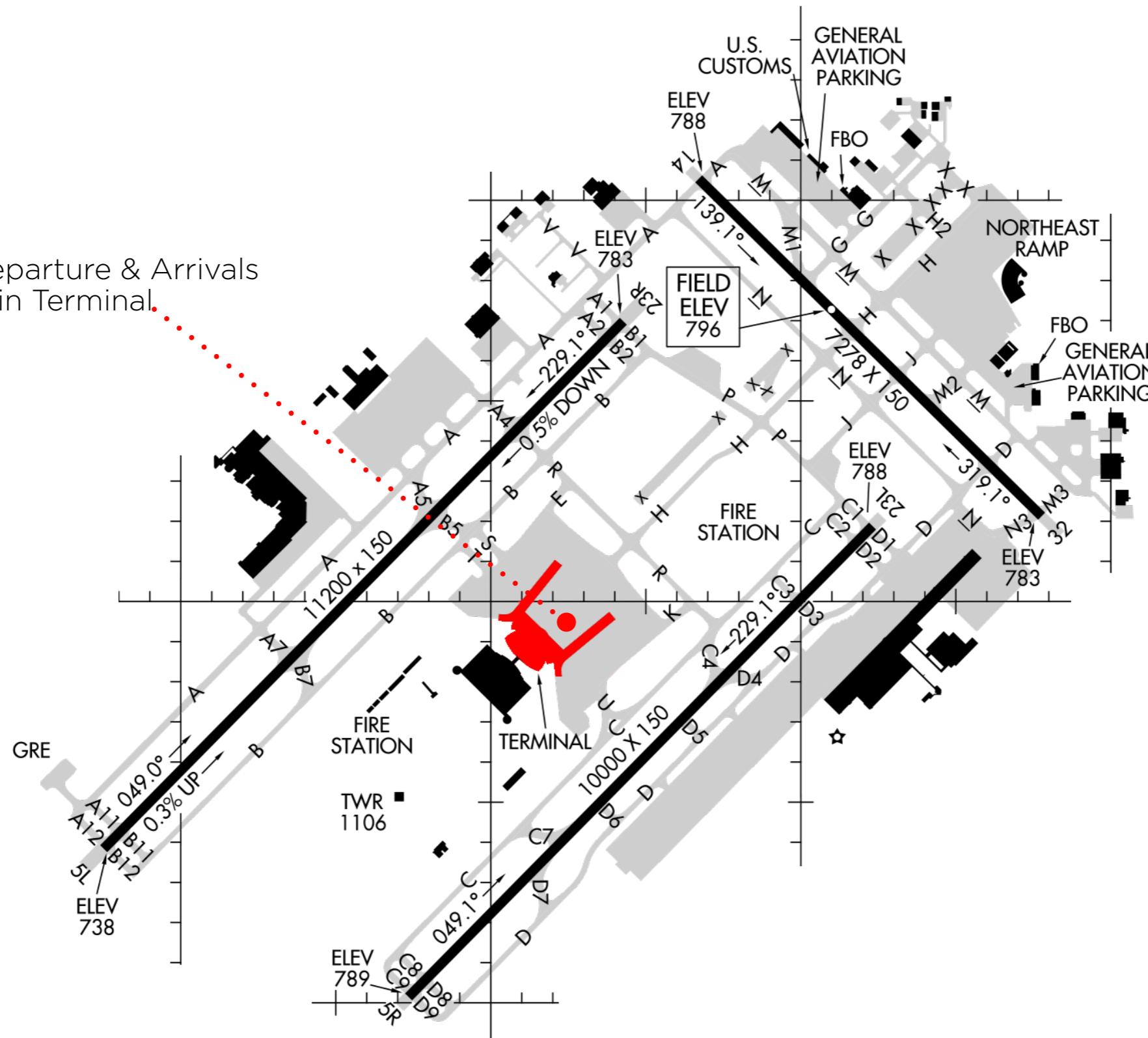
KJFK



# INDIANAPOLIS INTERNATIONAL AIRPORT

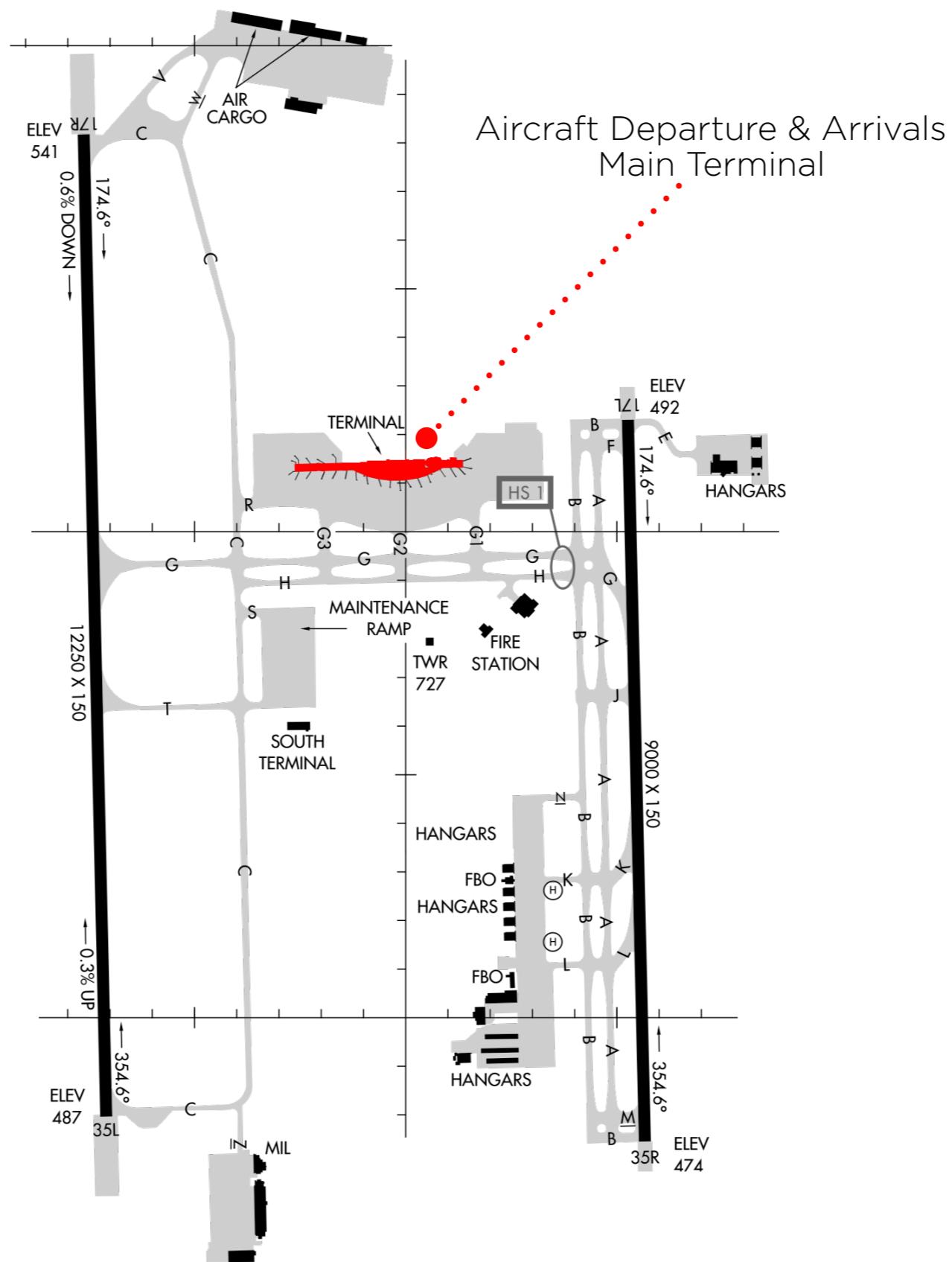
KIND

Aircraft Departure & Arrivals  
Main Terminal.



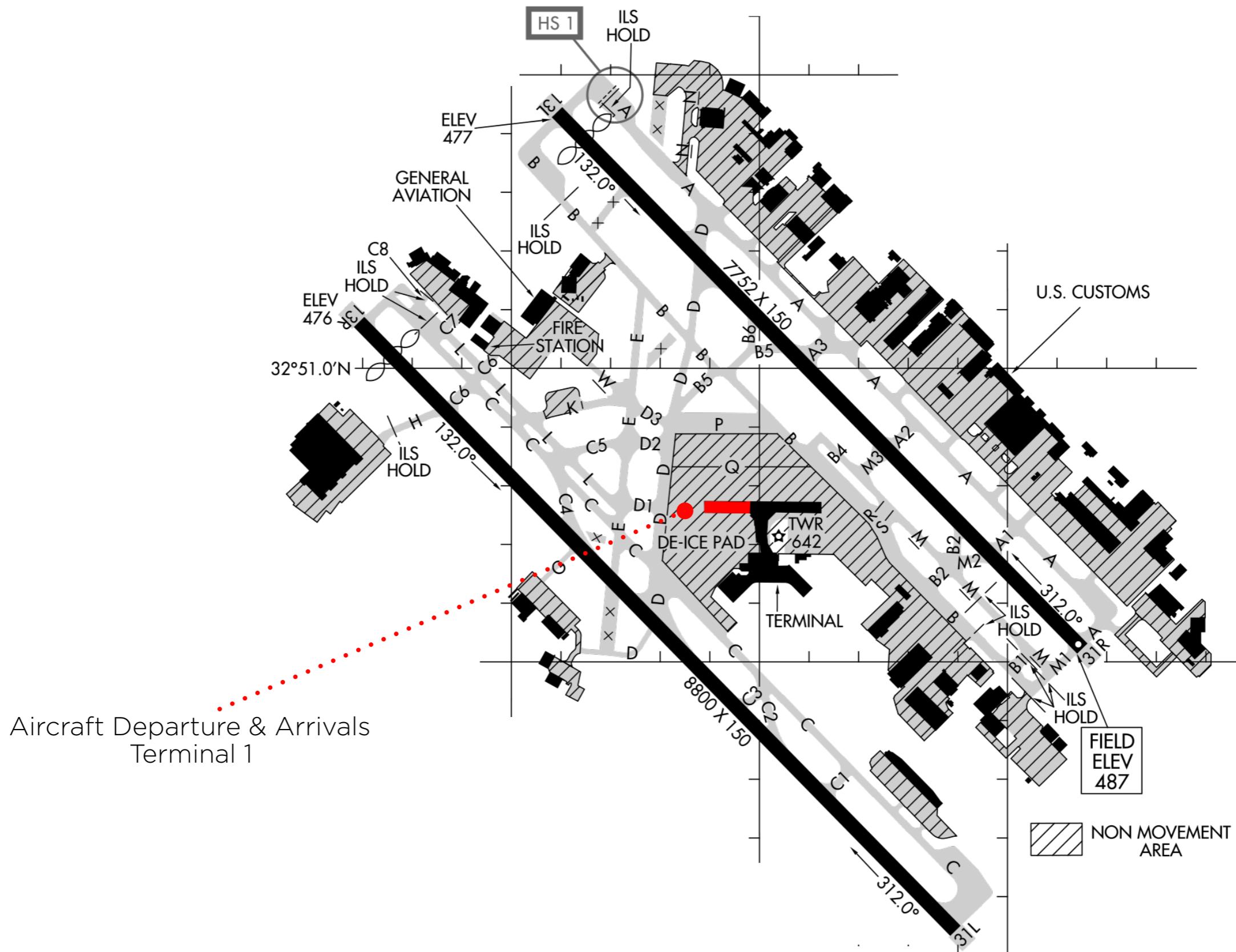
# AUSTIN BERGSTROM INTERNATIONAL AIRPORT

KAUS



# DALLAS / LOVE FIELD NATIONAL AIRPORT

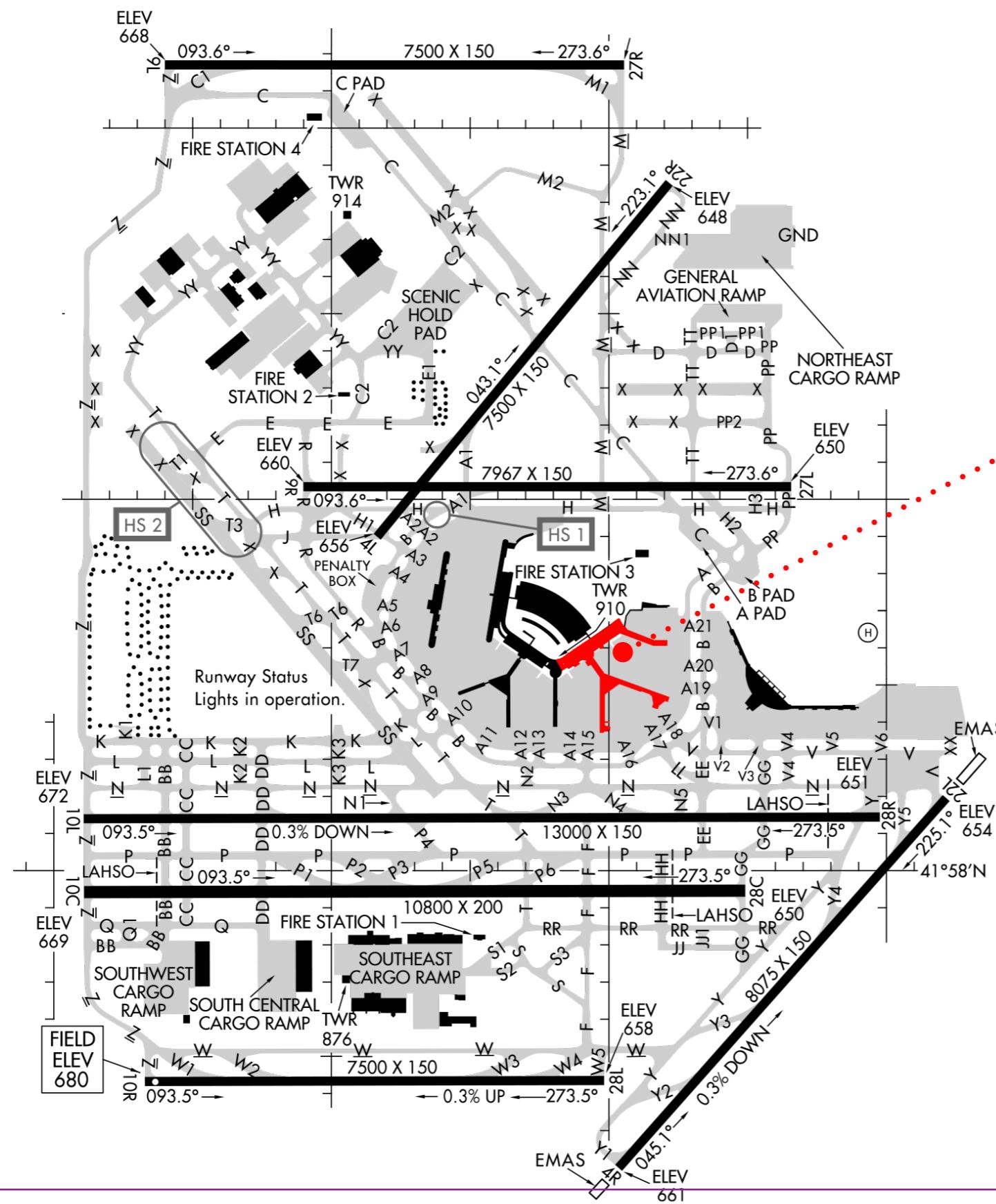
KDAL



Aircraft Departure & Arrivals  
Terminal 1

# CHICAGO O'HARE INTERNATIONAL AIRPORT

KORD

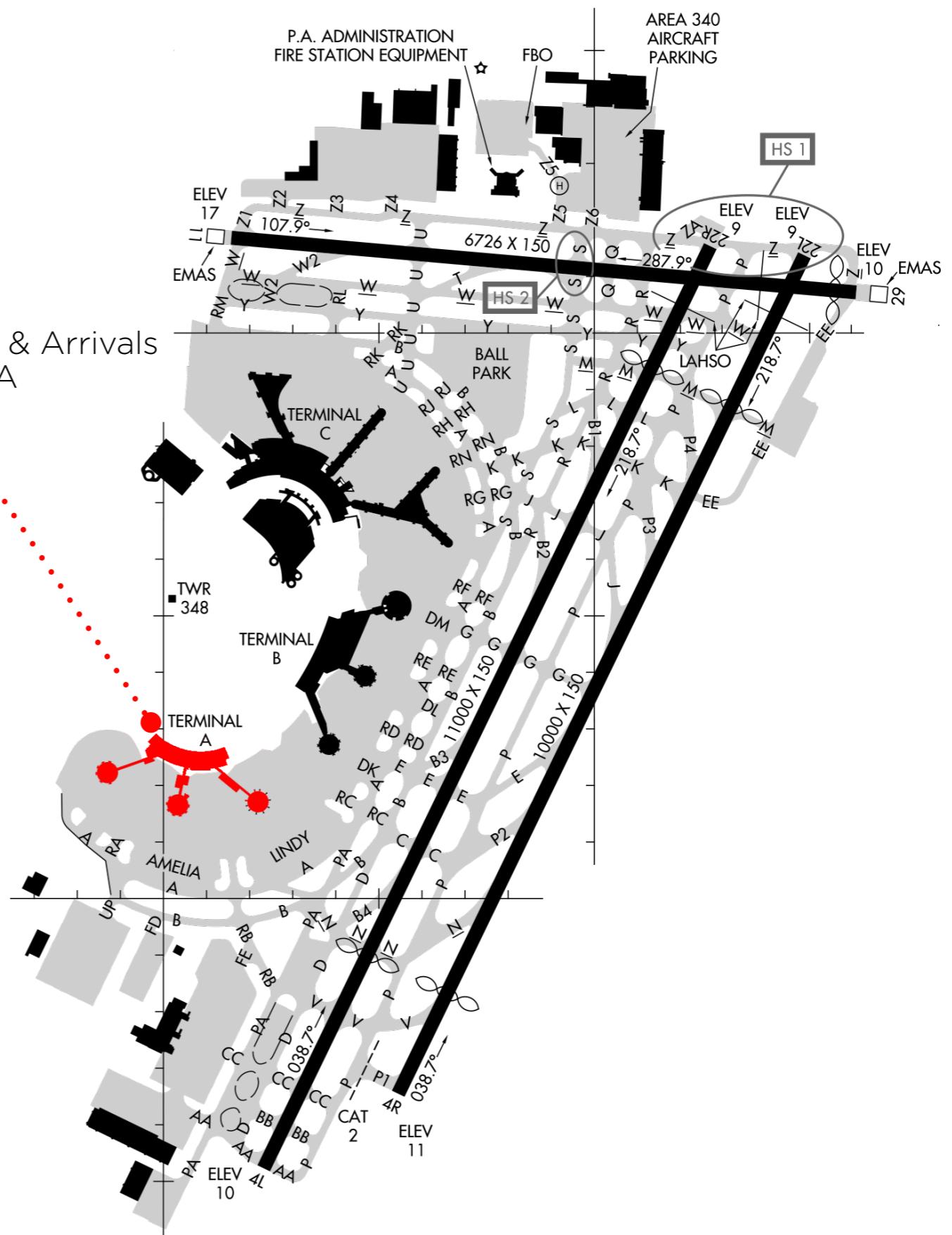


Aircraft Departure & Arrivals  
Terminal 3

# NEWARK - NEW YORK LIBERTY INTERNATIONAL AIRPORT

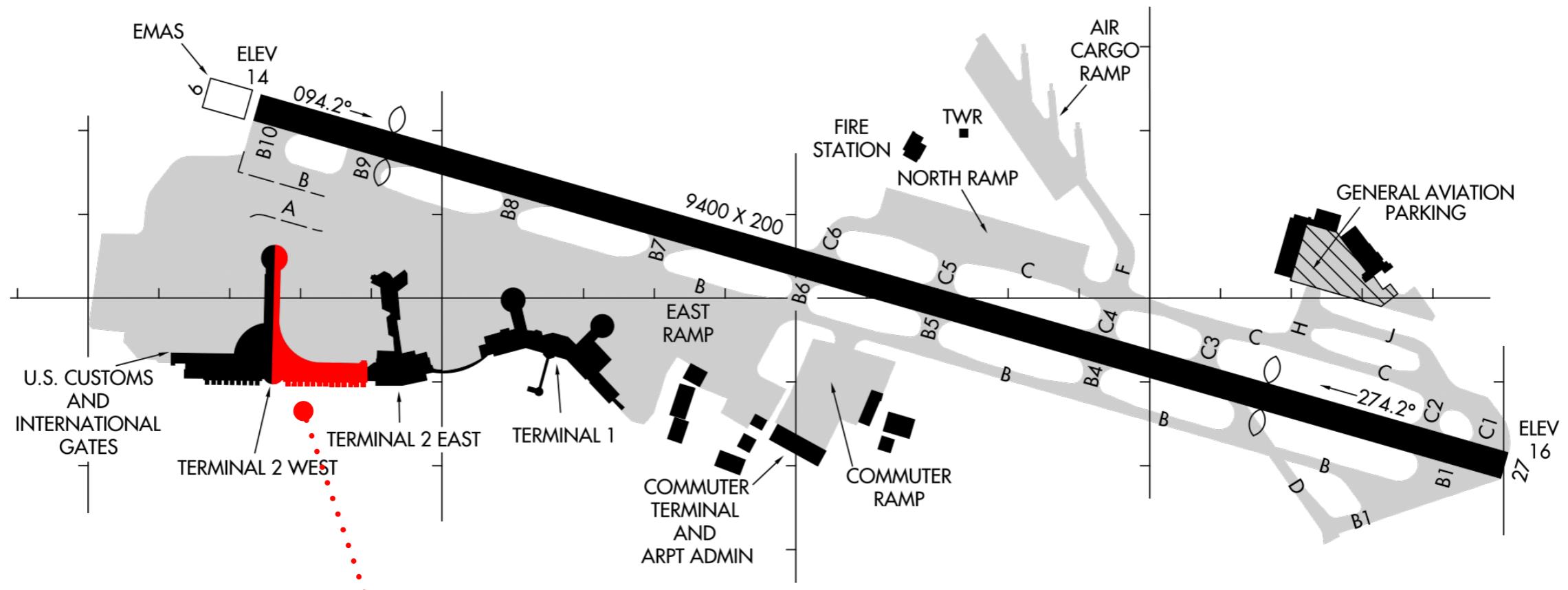
KEWR

Aircraft Departure & Arrivals  
Terminal A



# SAN DIEGO INTERNATIONAL AIRPORT

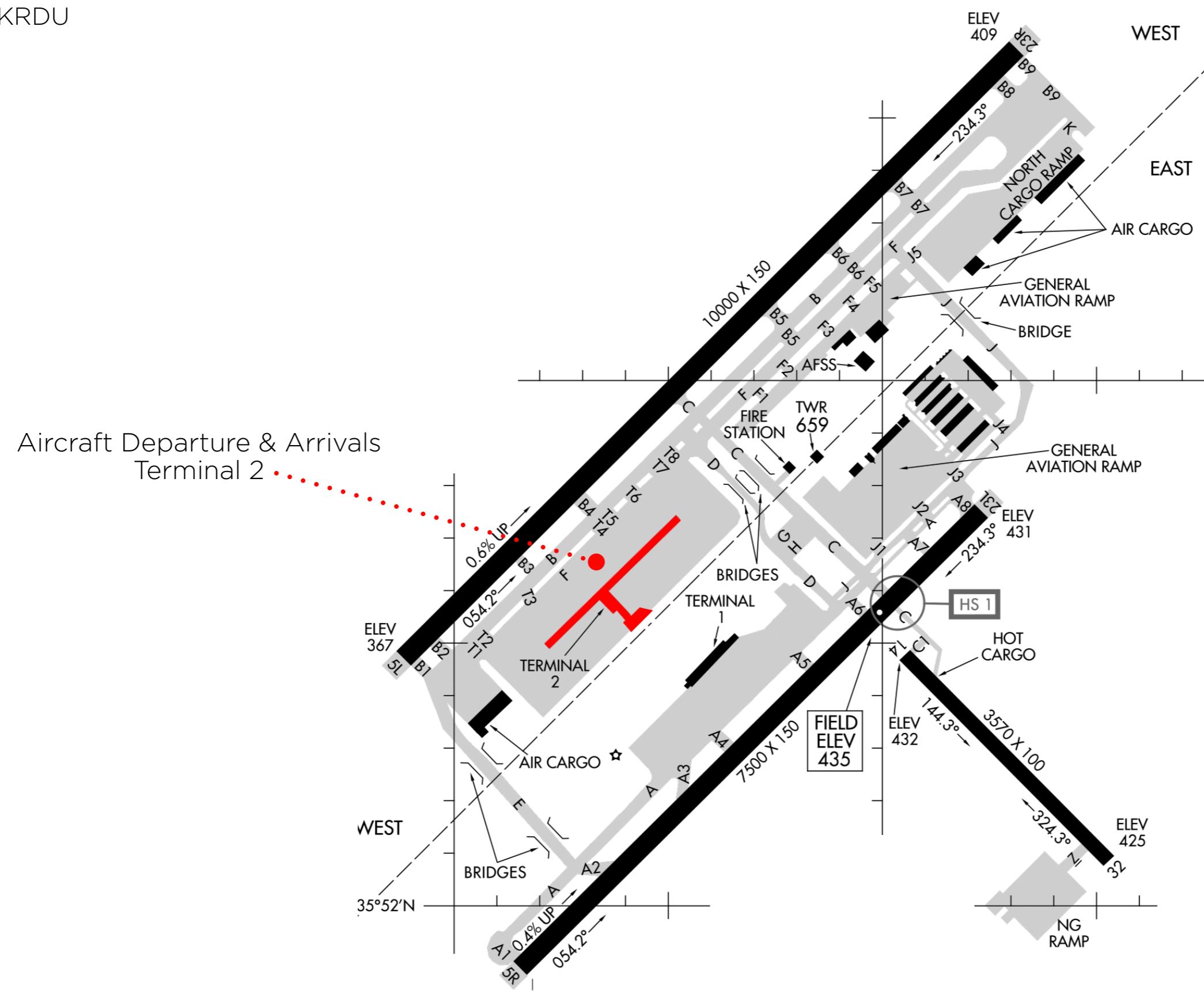
KSAN



Aircraft Departure & Arrivals  
Terminal 2 West

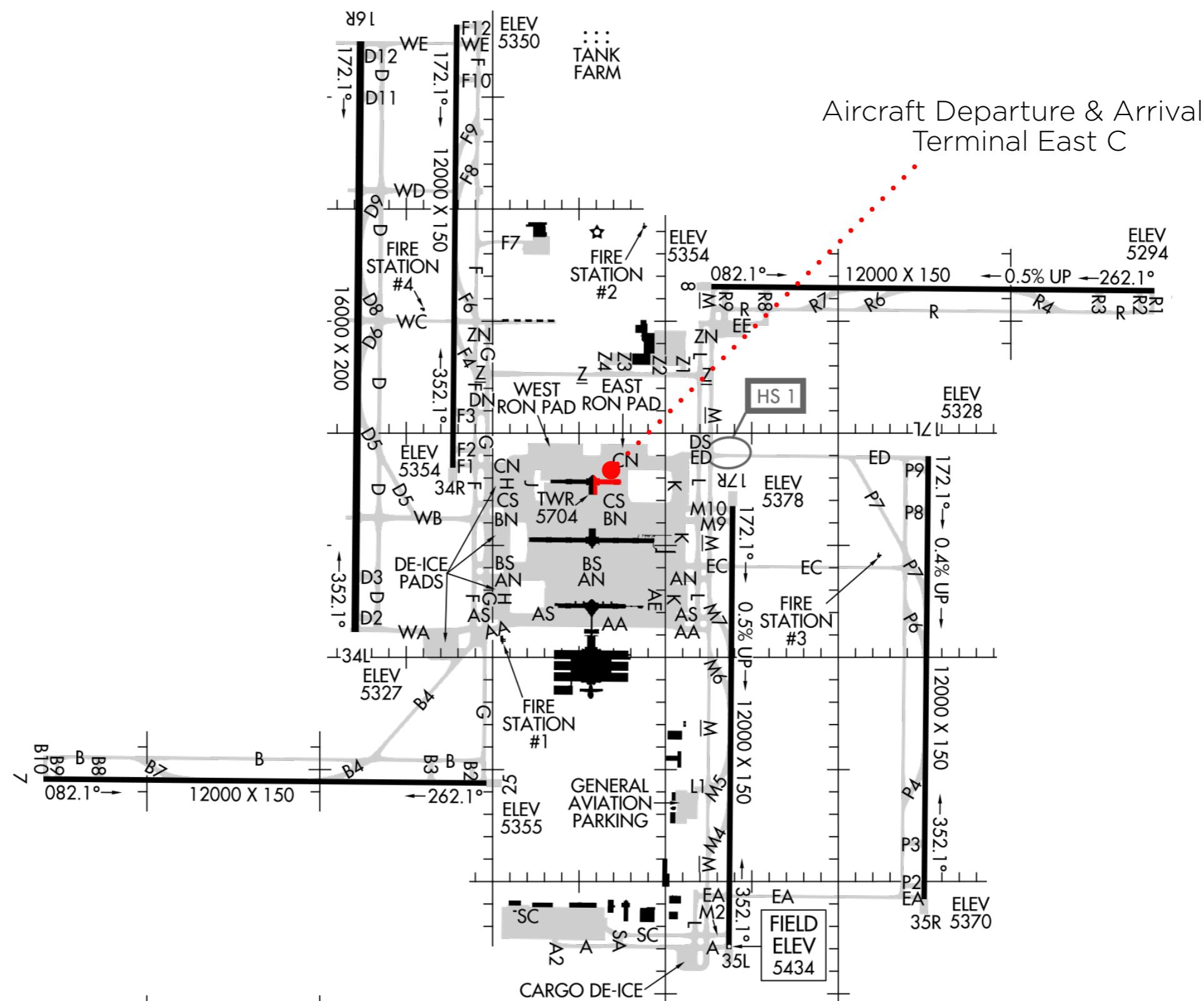
# RALEIGH DURHAM INTERNATIONAL AIRPORT

KRDU



# DENVER INTERNATIONAL AIRPORT

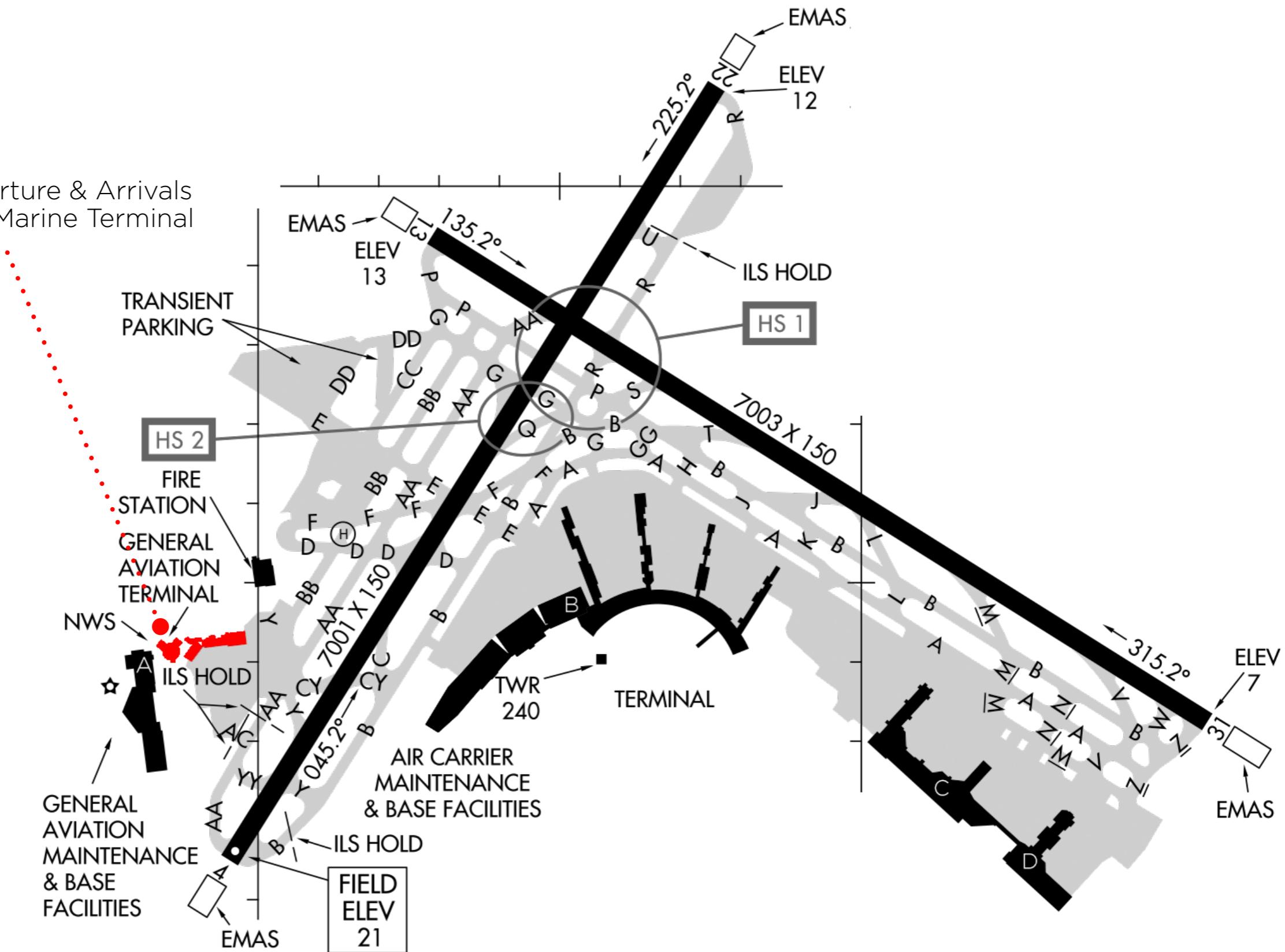
KDEN



# NEW YORK LAGUARDIA AIRPORT

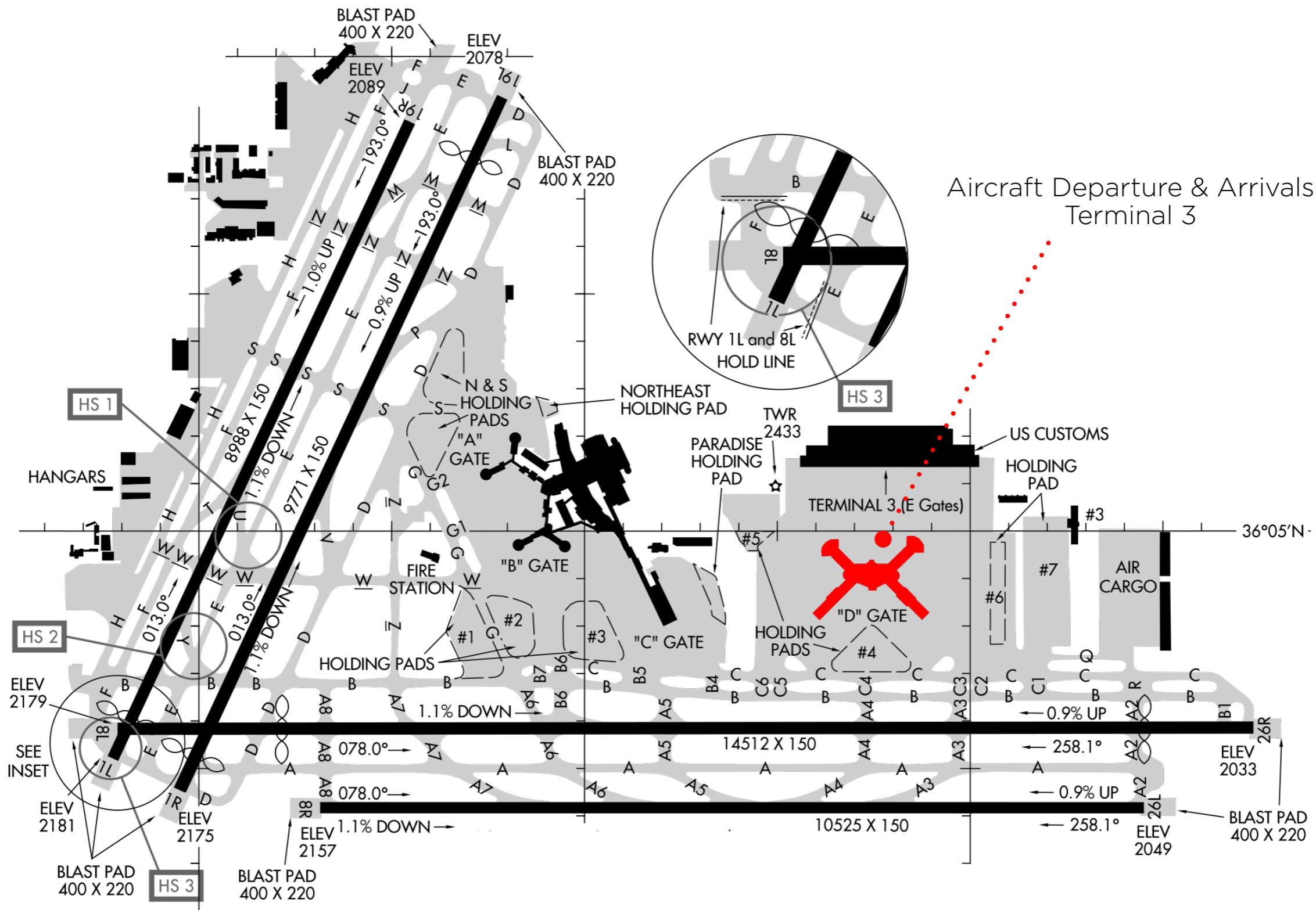
KLGA

Aircraft Departure & Arrivals  
Terminal A / Marine Terminal



# LAS VEGAS MCARREN INTERNATIONAL AIRPORT

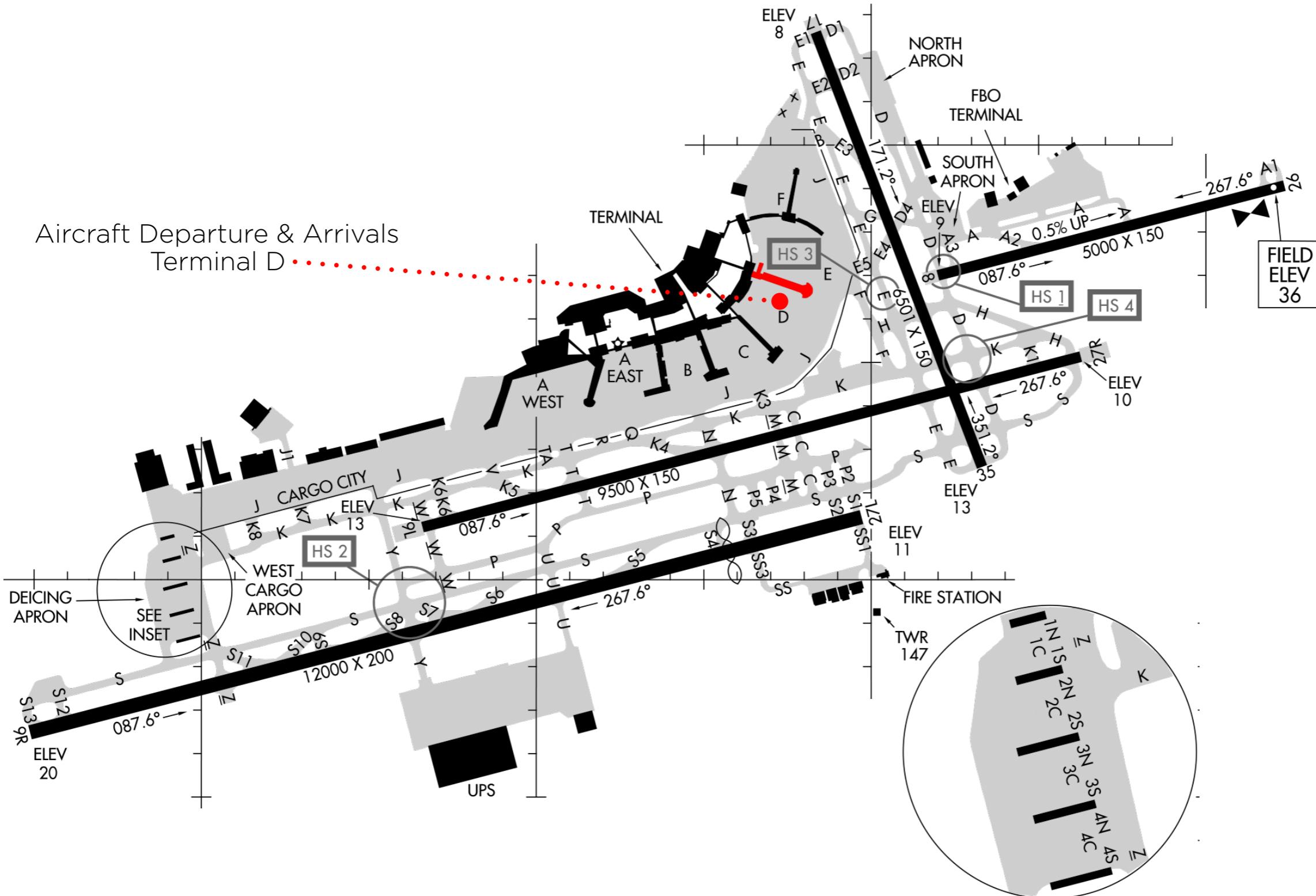
KLAS



Aircraft Departure & Arrivals  
Terminal 3

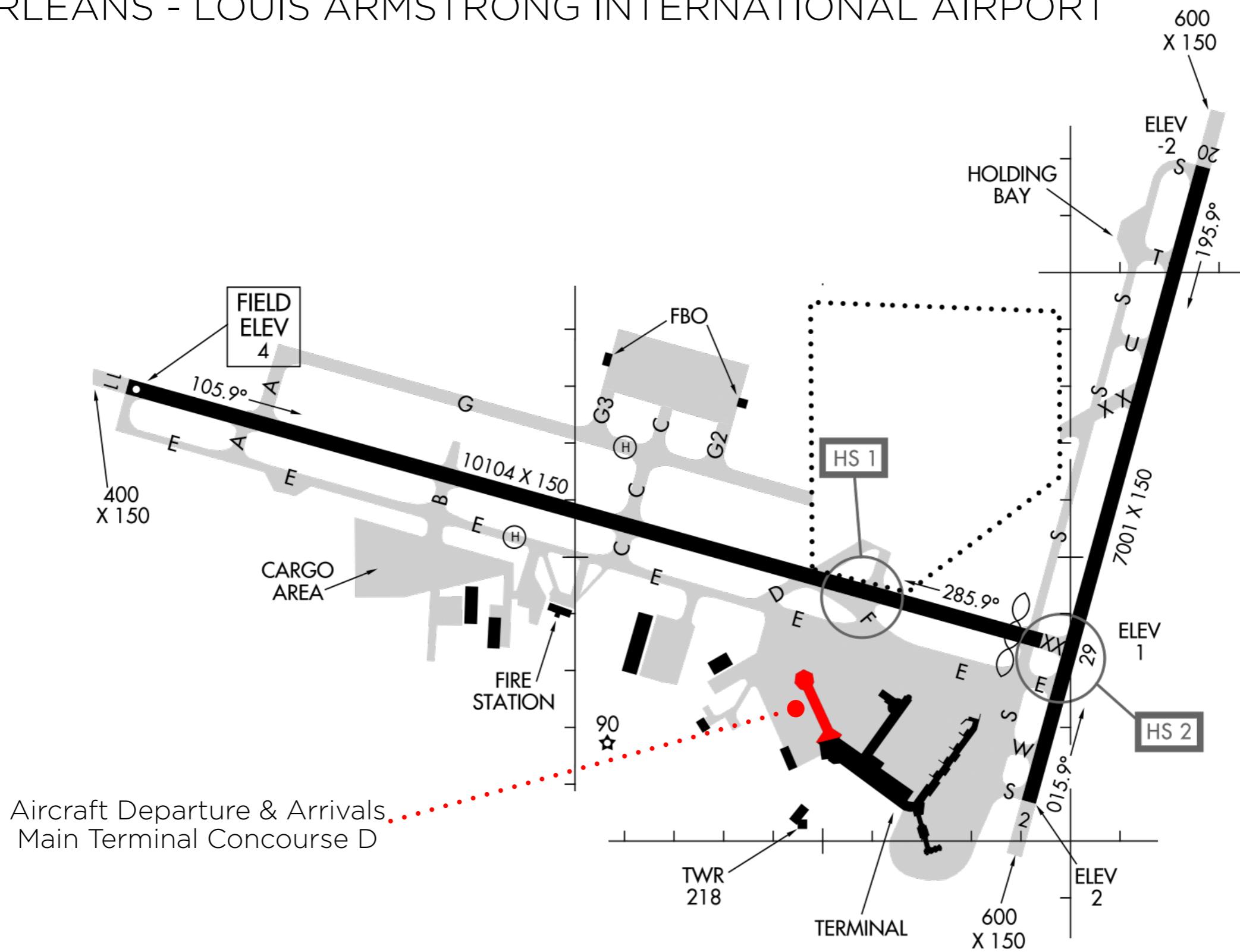
# PHILADELPHIA INTERNATIONAL AIRPORT

KPHL



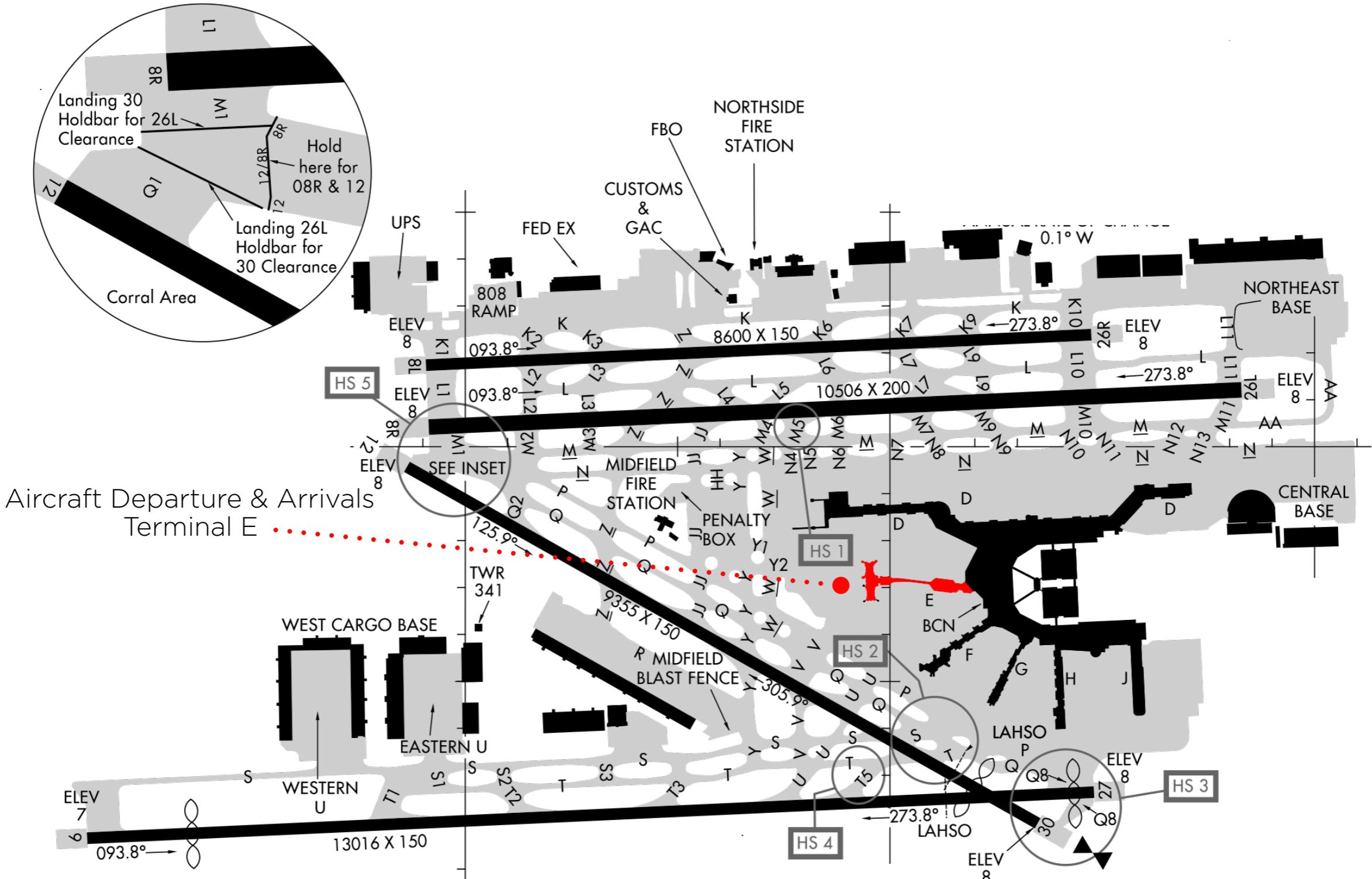
# NEW ORLEANS - LOUIS ARMSTRONG INTERNATIONAL AIRPORT

KMSY



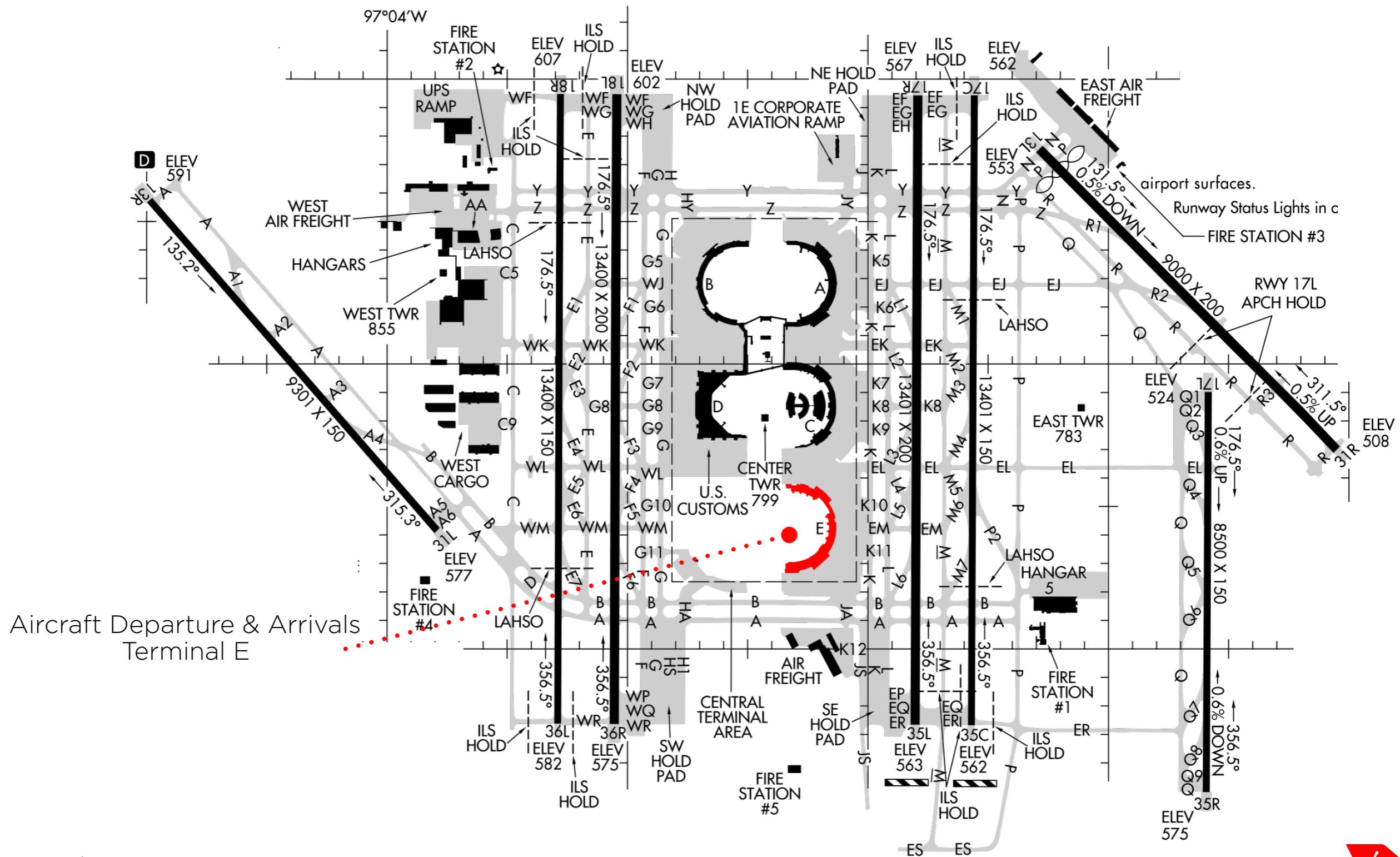
# MIAMI INTERNATIONAL AIRPORT

KMIA



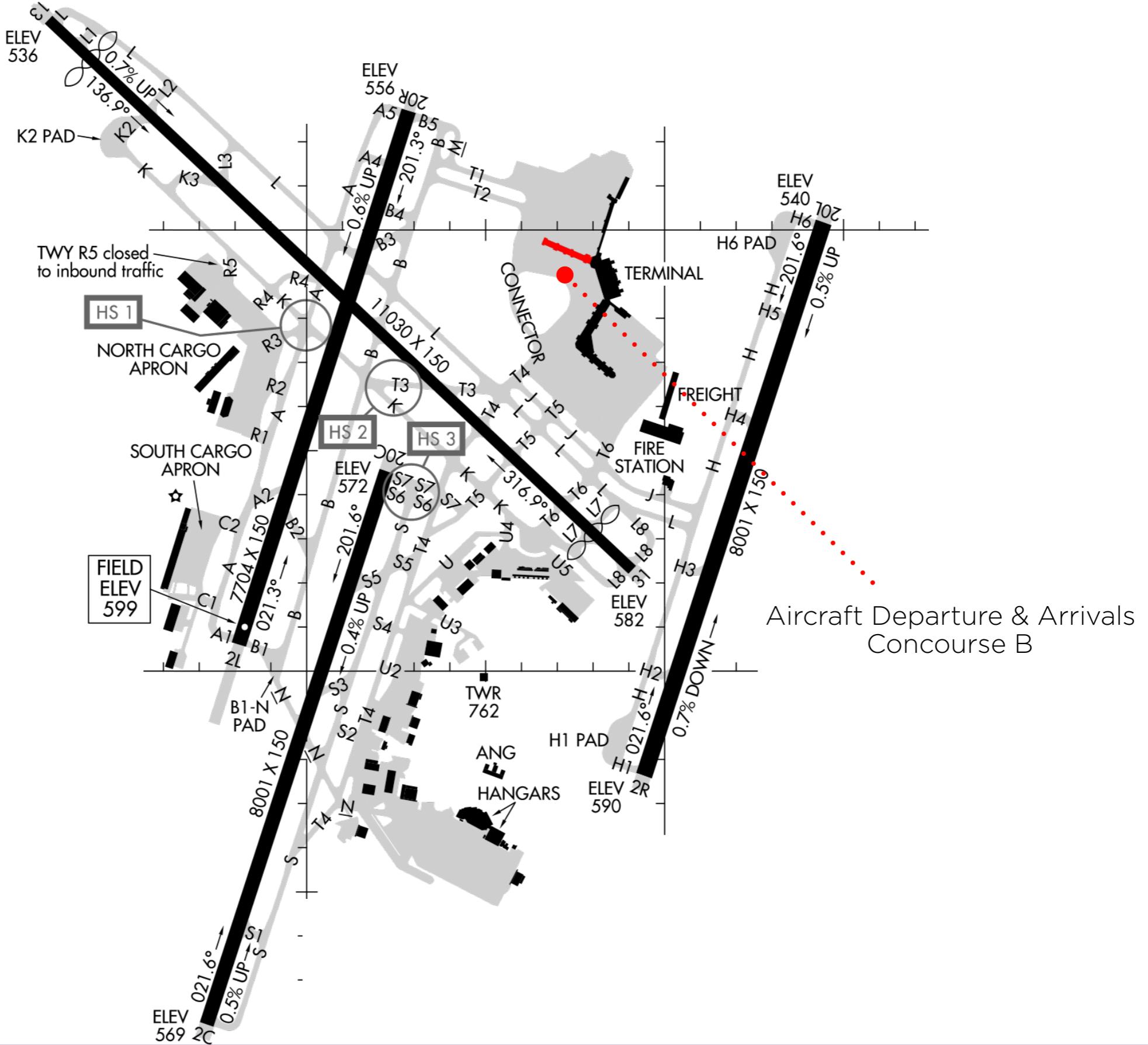
# DALLAS - FORT WORTH INTERNATIONAL AIRPORT

KDFW



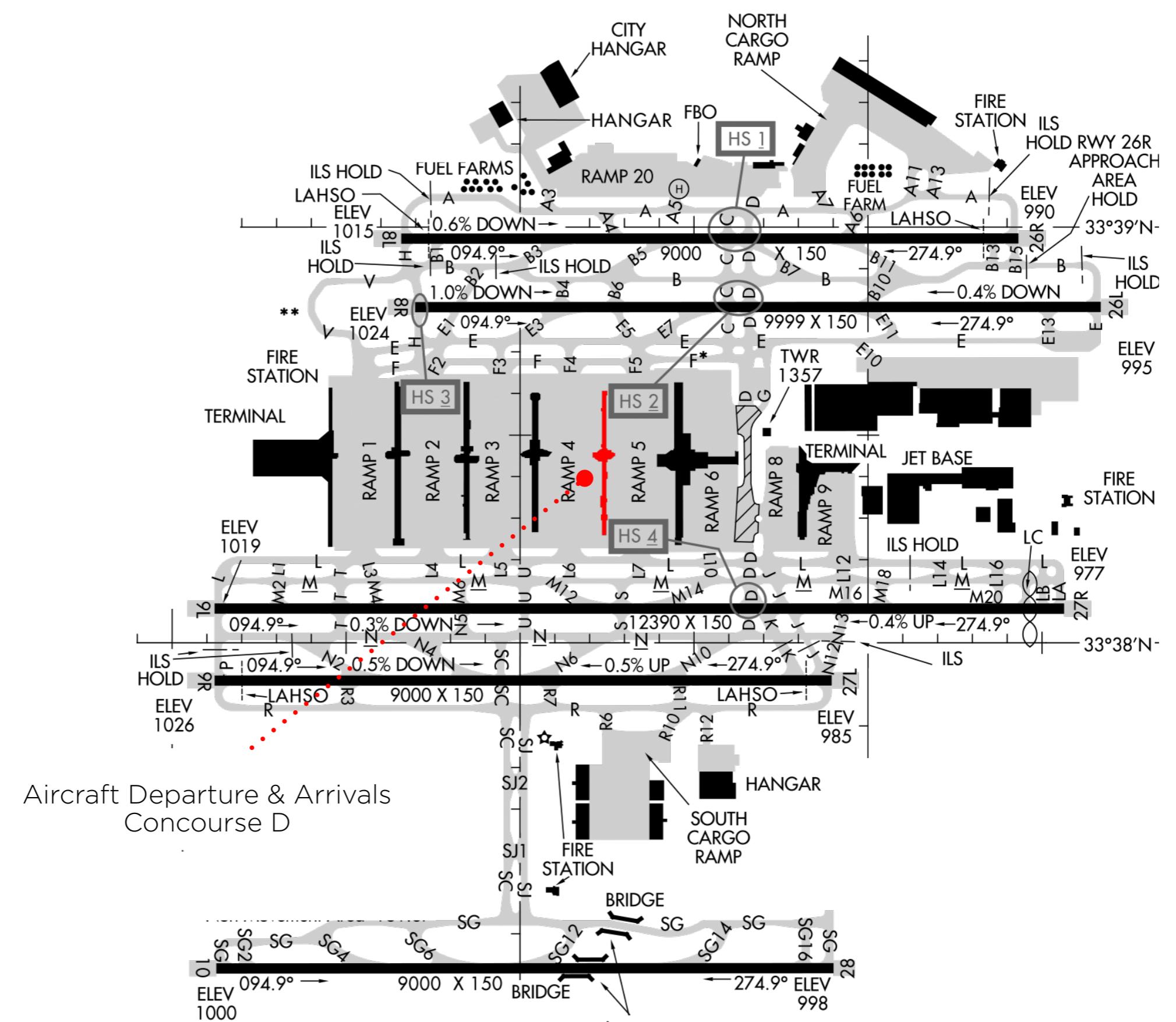
# NASHVILLE INTERNATIONAL AIRPORT

KBNA



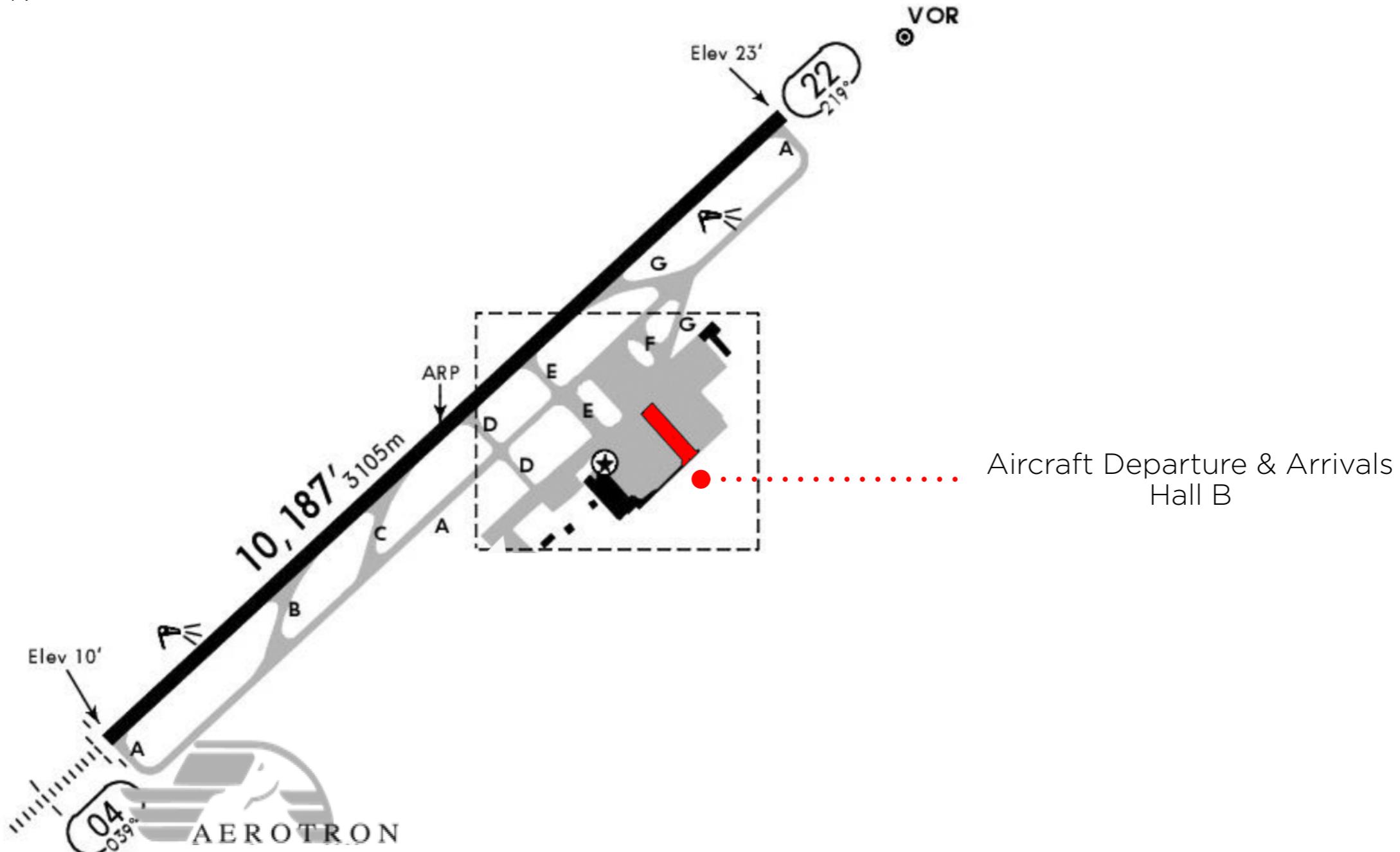
# ATLANTA HARTSFIELD-JACKSON INTERNATIONAL AIRPORT

KATL



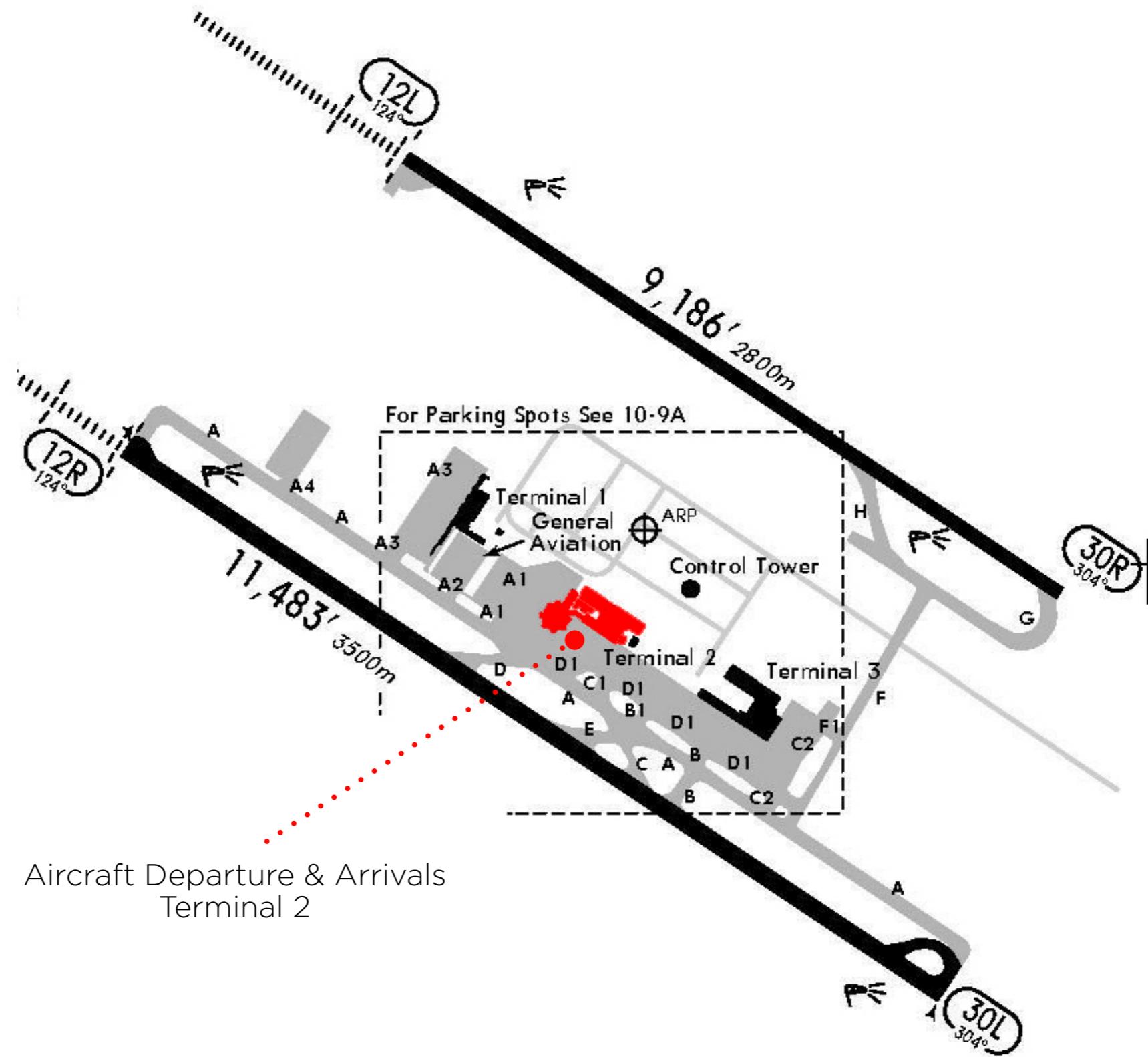
# PUERTO VALLARTA - LICENCIADO GUSTAVO DIAZ ORDAZ INTERNATIONAL AIRPORT

MMPR



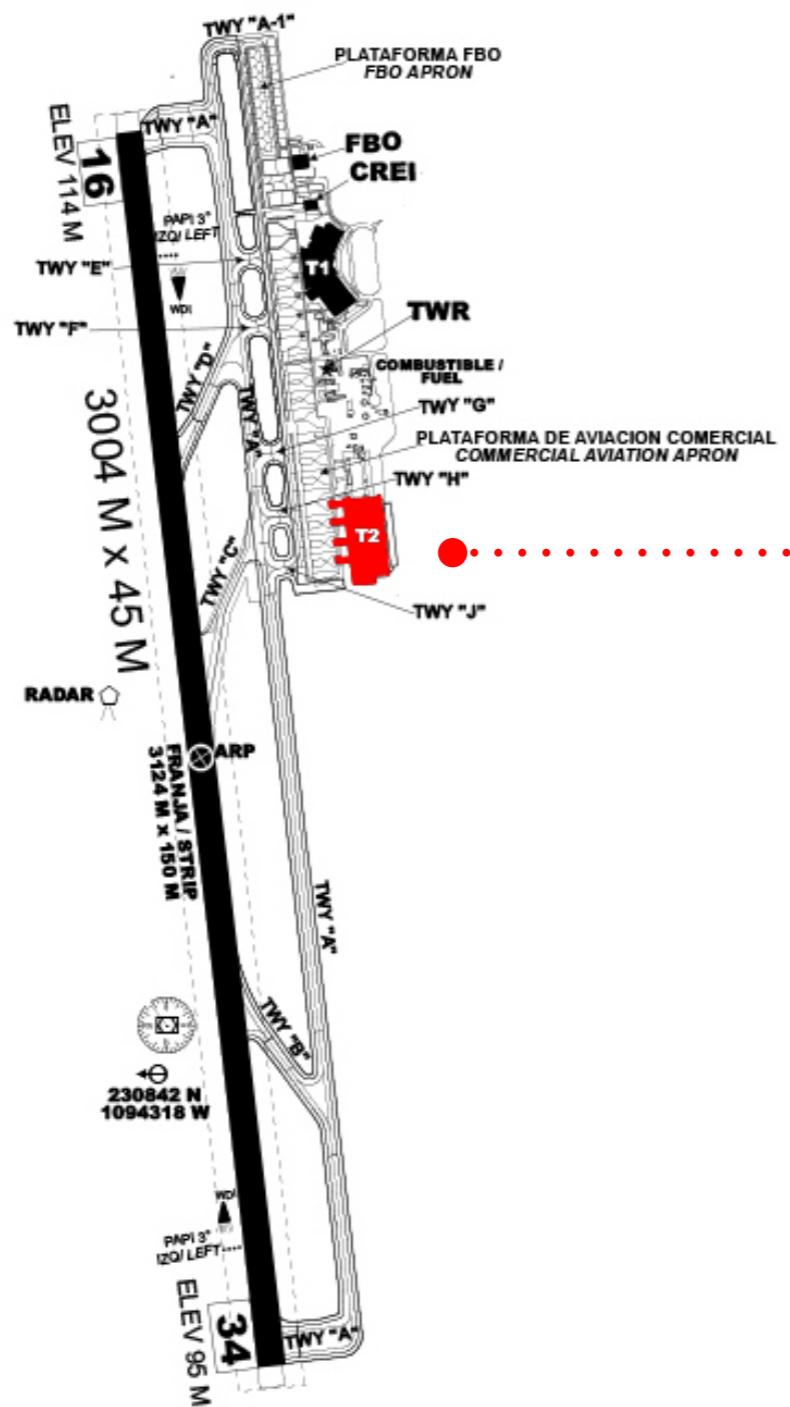
# CANCUN INTERNATIONAL AIRPORT

MMUN



# LOS CABOS INTERNATIONAL AIRPORT

MMSD



Aircraft Departure & Arrivals  
Terminal 2

# VIRGIN AMERICA VIRTUAL - TERMINAL QUICK GUIDE

## UNITED STATES

Los Angeles, CA - Terminal 3  
San Francisco, CA - Terminal 2  
Palm Springs International, CA - Main Terminal  
San Diego International, CA - Terminal 2 West  
New York - JFK , NY- Terminal 7  
New York - LaGuardia, NY - Terminal A / Marine Terminal  
Newark - Liberty, NJ - Terminal A  
Maui, HI - Main Terminal  
Honolulu, HI - Terminal 2  
Kona, HI - Main Terminal  
St. Louis, MI - Main Terminal  
Baltimore, MD-Main Terminal  
Boston, MA-Terminal C  
Kansas City, KC - Terminal A  
Minneapolis, MN - Lindbergh Terminal Concourse E  
Seattle, WA - Concourse A  
Portland, OR - South Terminal, Concourse B, C & D  
Washington Reagan National, DC - Terminal B, Gates 23-34  
Dallas - Fort Worth, TX - Terminal E  
Dallas - Love Field, TX - Terminal 1  
Austin Bergstrom, TX - Main Terminal  
Miami, FL - Terminal E  
Fort Lauderdale, FL - Terminal 1  
Orlando, FL - no defined terminal / Park any where.  
Las Vegas, NV - Terminal 3  
Philadelphia, PA - Terminal D  
New Orleans, LA - Main Terminal Concourse D  
Nashville, TN - Concourse B  
Atlanta, GA - Concourse D  
Chicago - O'Hare, IL - Terminal 3  
Indianapolis, IN - Main Terminal  
Raleigh Durham, NC - Terminal 2  
Denver, CO - Terminal East C  
Anchorage Ted Stevens, AN - South Terminal

## MEXICO

Puerto Vallarta (PVR) - Licenciado Gustavo Diaz Ordaz International - Hall B  
Cancun - Terminal 2  
Los Cabos - Terminal 2



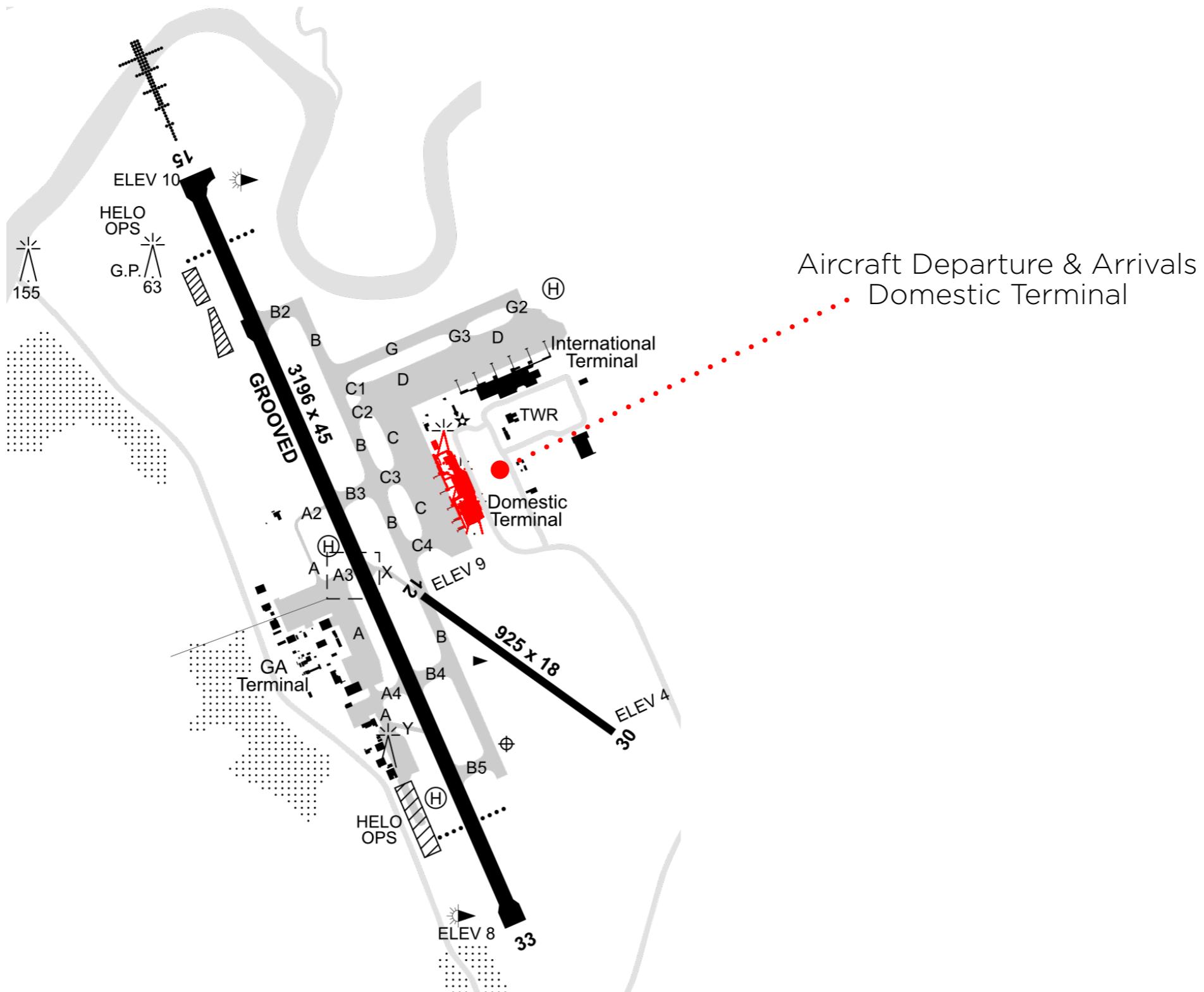


 virtual group

## VIRGIN AUSTRALIA AIRPORT PARKING GUIDES

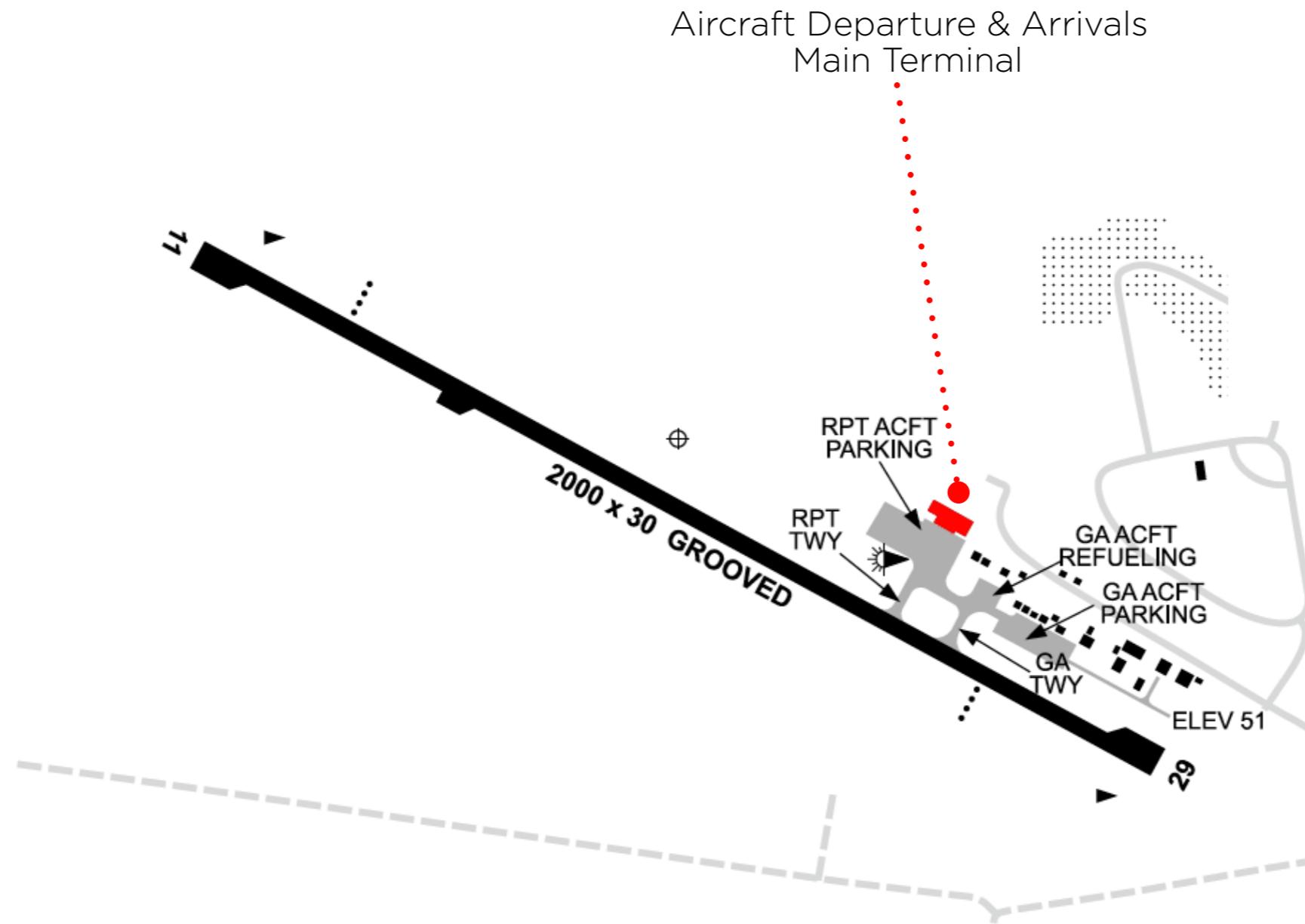
# CAIRNS INTERNATIONAL AIRPORT

YBCS



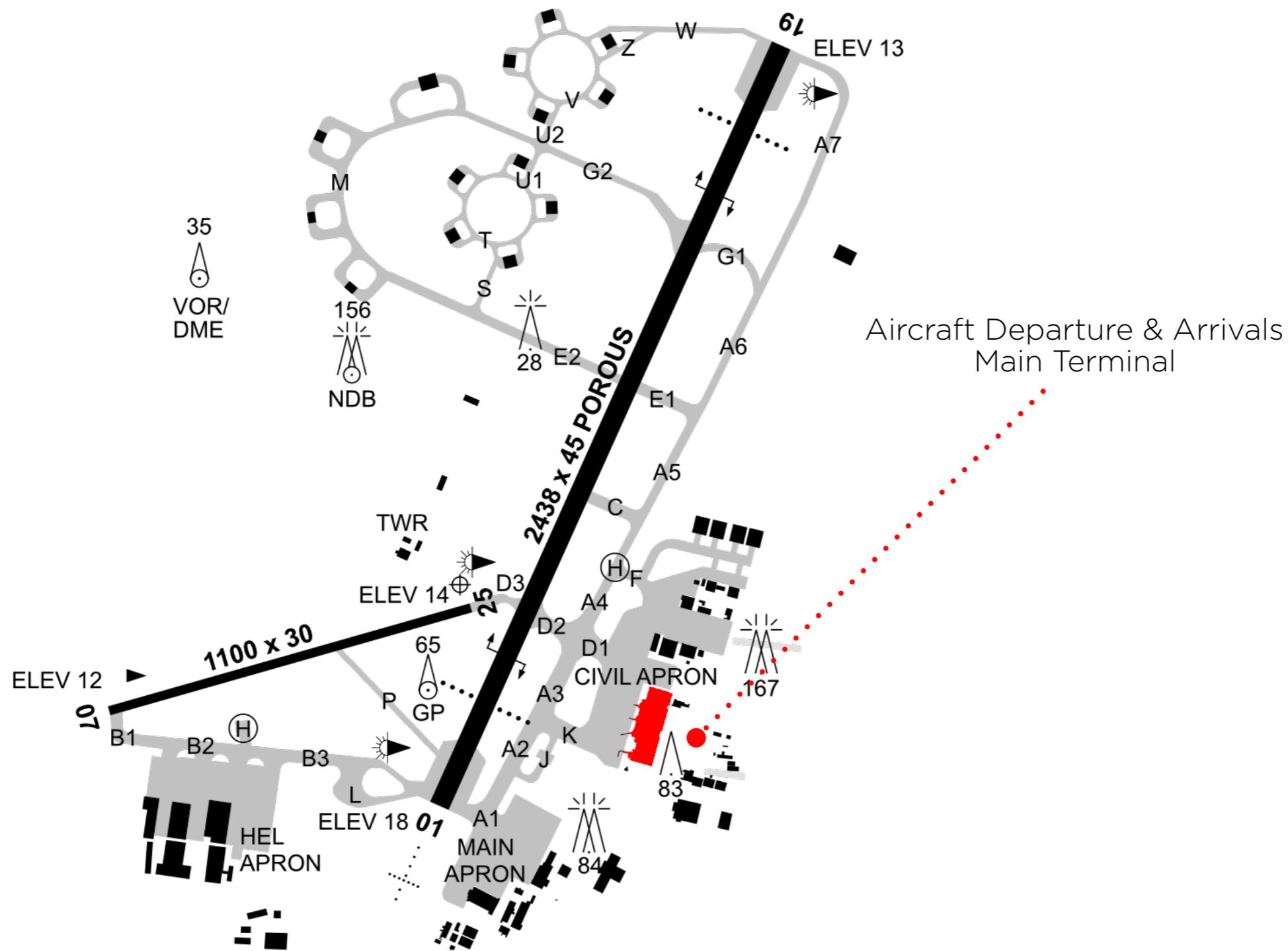
# HERVEY BAY AIRPORT, FRASER COAST QUEENSLAND

YHBA



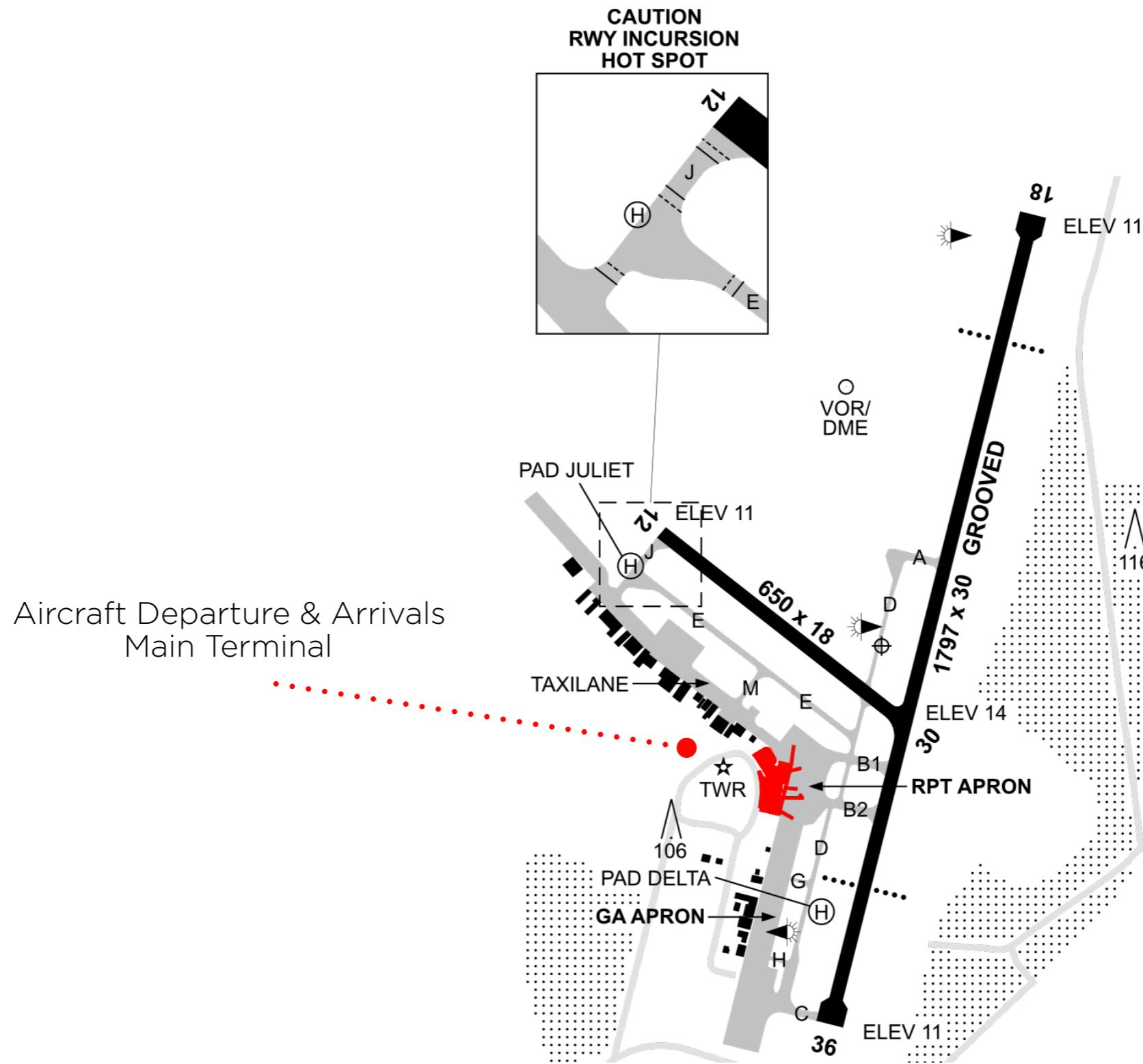
# TOWNSVILLE INTERNATIONAL, QUEENSLAND

YBTL



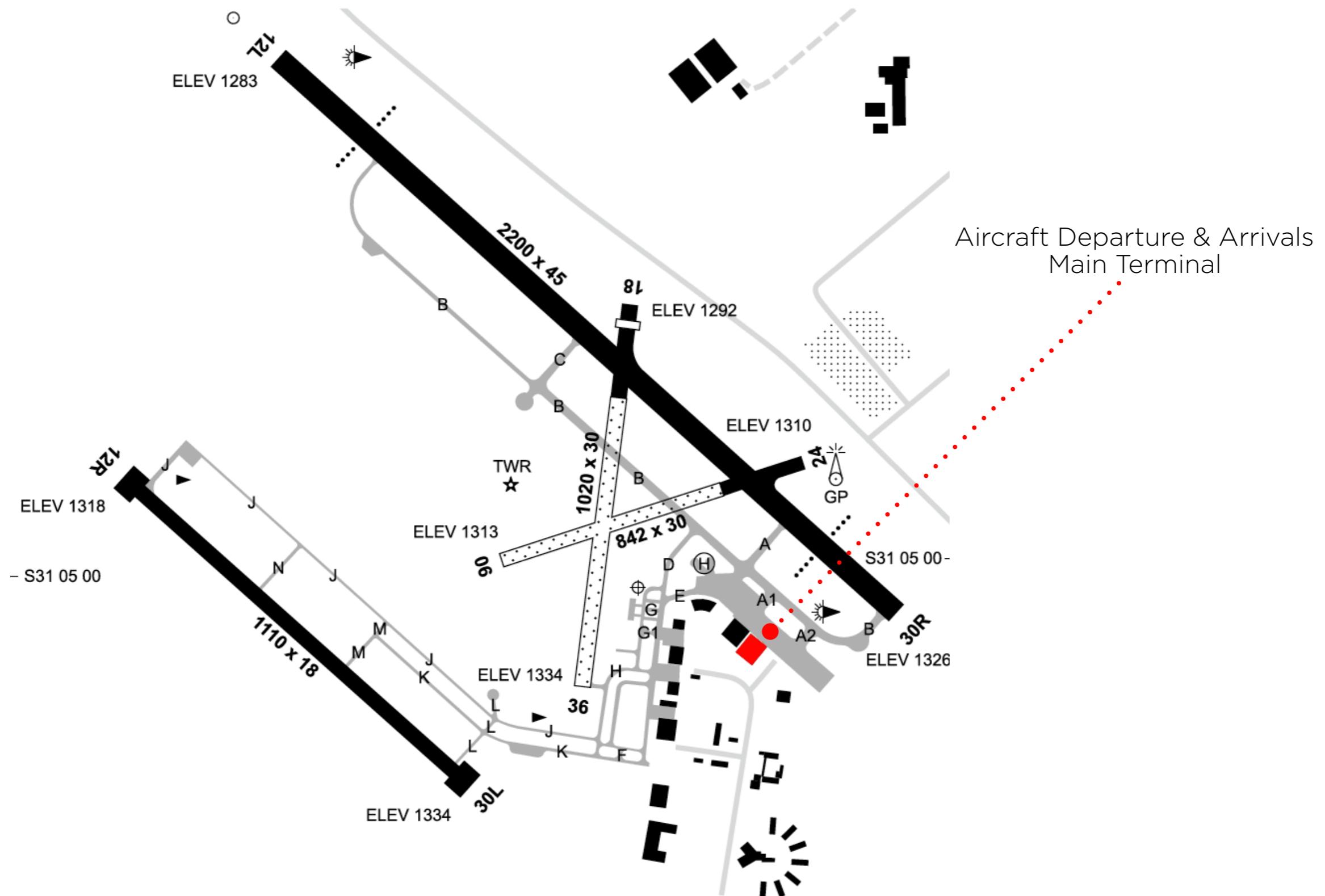
# SUNSHINE COAST AIRPORT, QUEENSLAND

YBSU



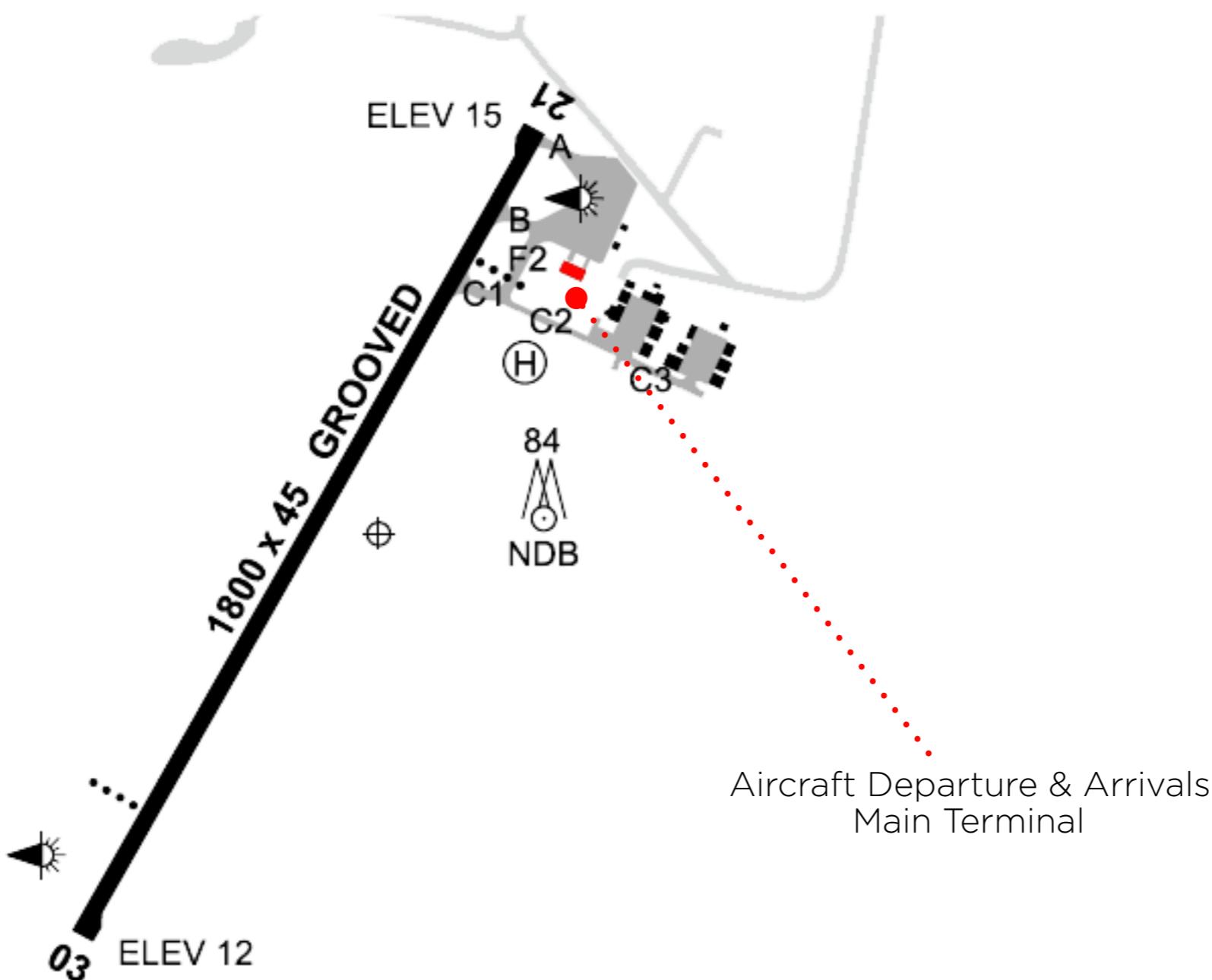
# TAMWORTH REGIONAL AIRPORT, NSW

YSTW



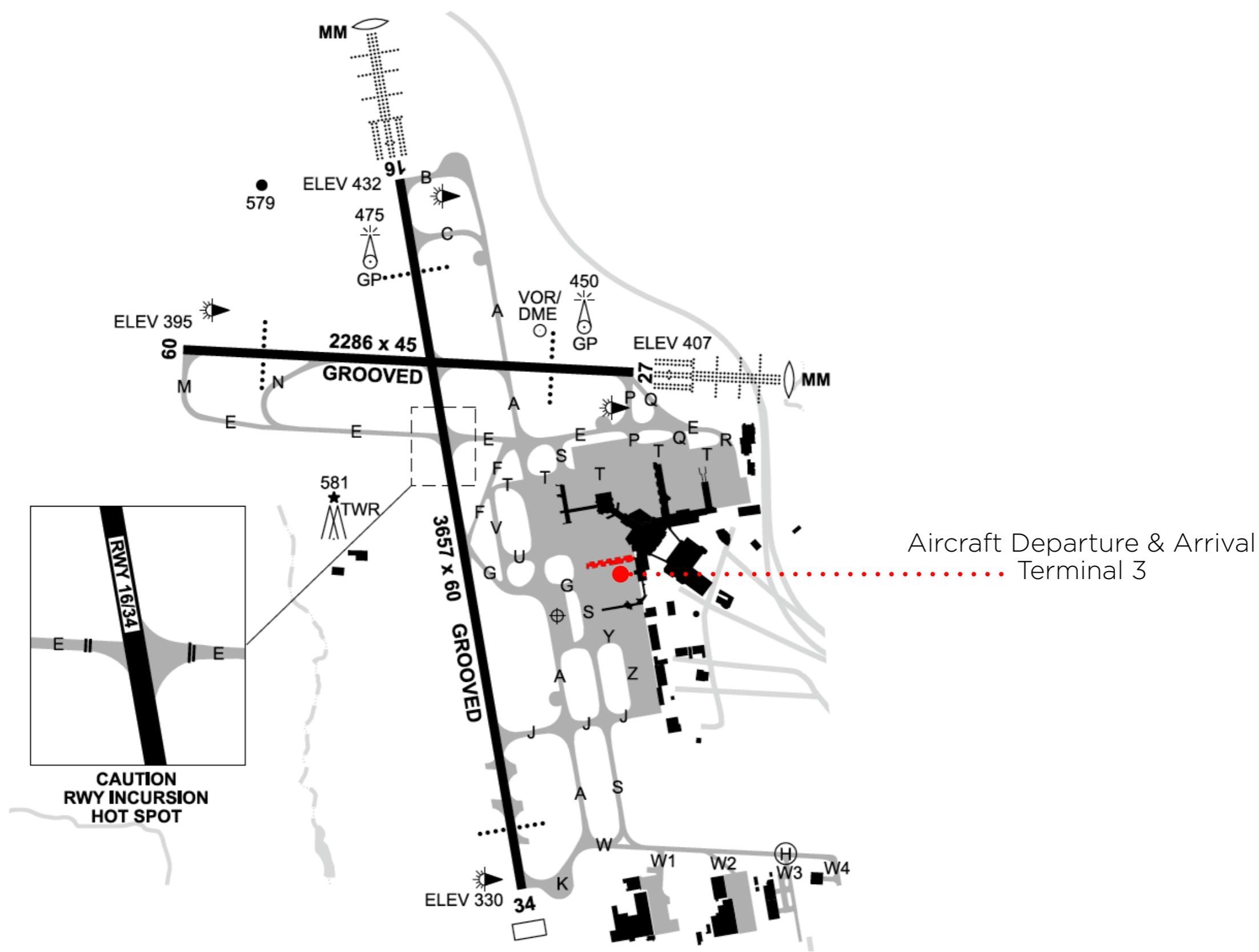
# PORT MACQUARIE REGIONAL AIRPORT, NSW

YPMQ



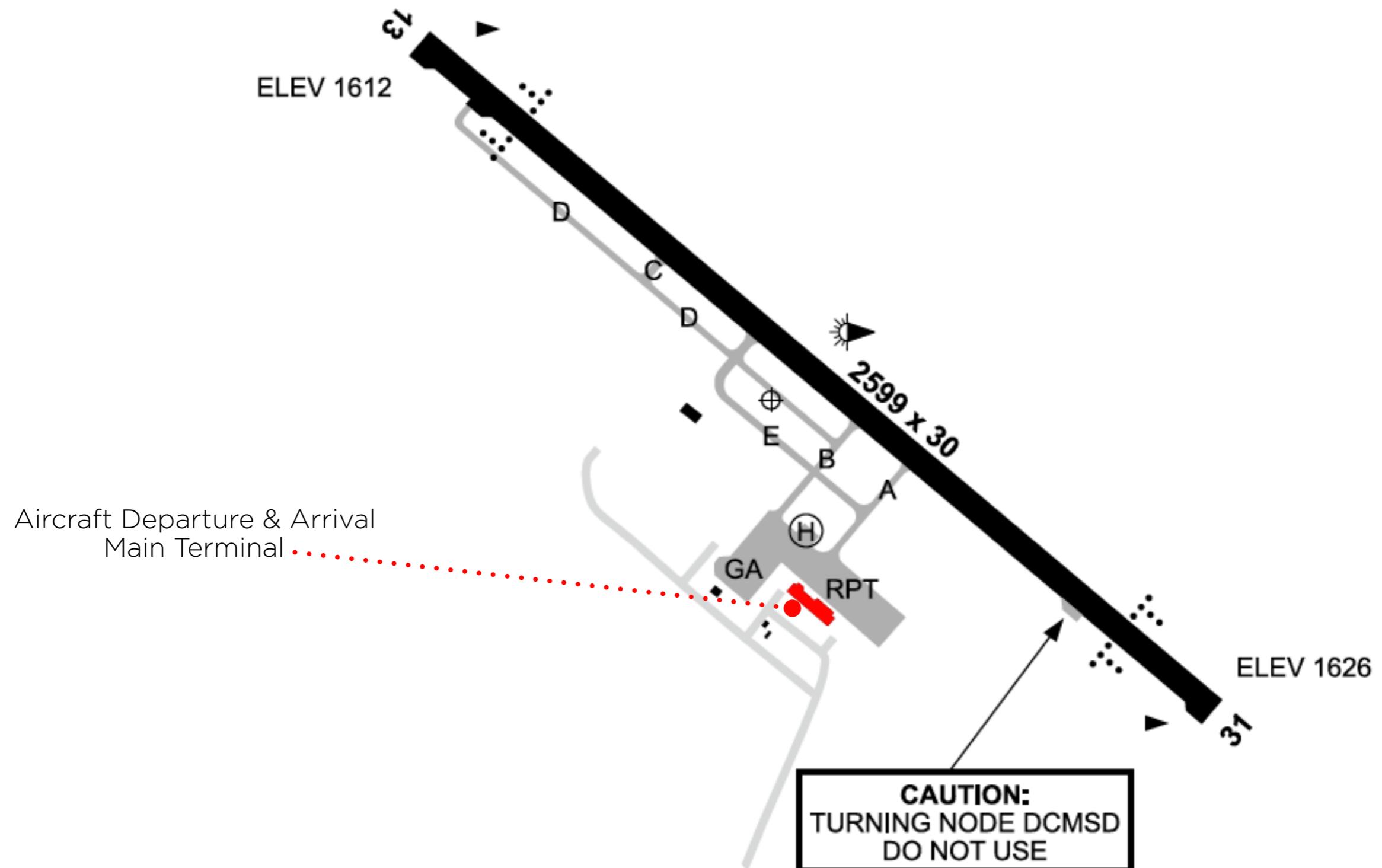
# MELBOURNE INTERNATIONAL AIRPORT, VIC

YMM



# ULURU REGIONAL AIRPORT, NT

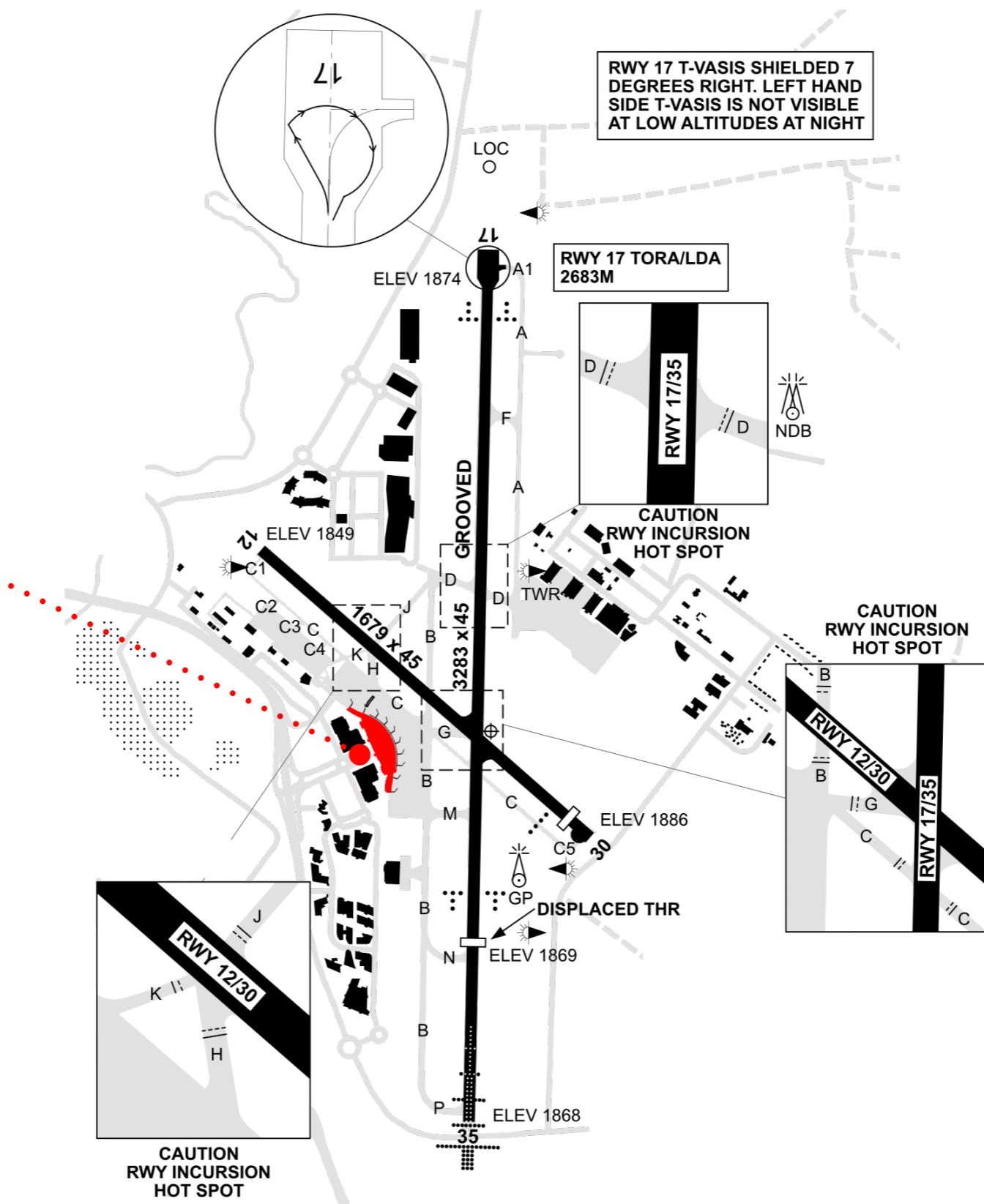
YAYE



# CANBERRA INTERNATIONAL AIRPORT, CT

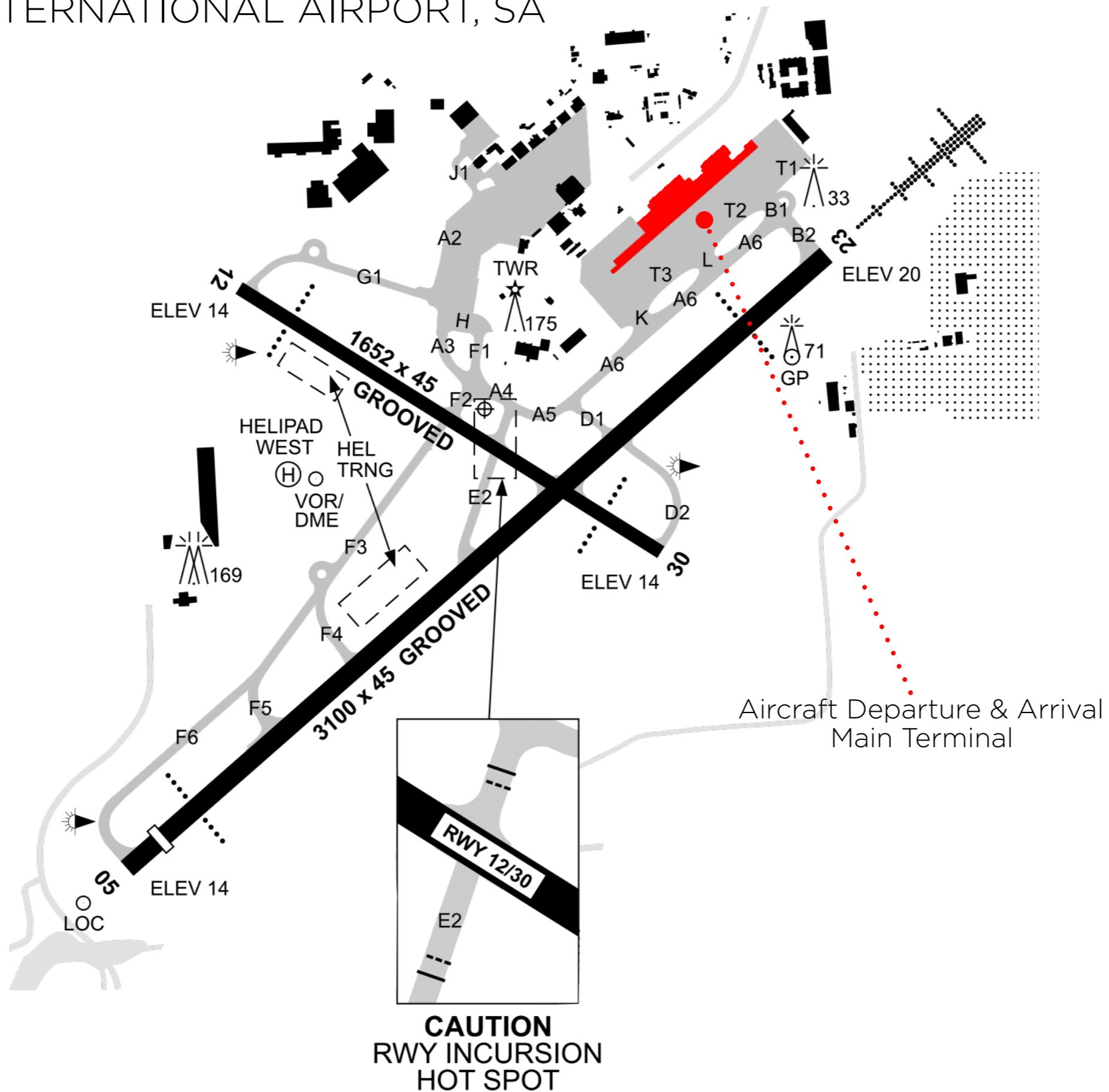
YSCB

Aircraft Departure & Arrival  
Main Terminal



# ADELAIDE INTERNATIONAL AIRPORT, SA

YPAD

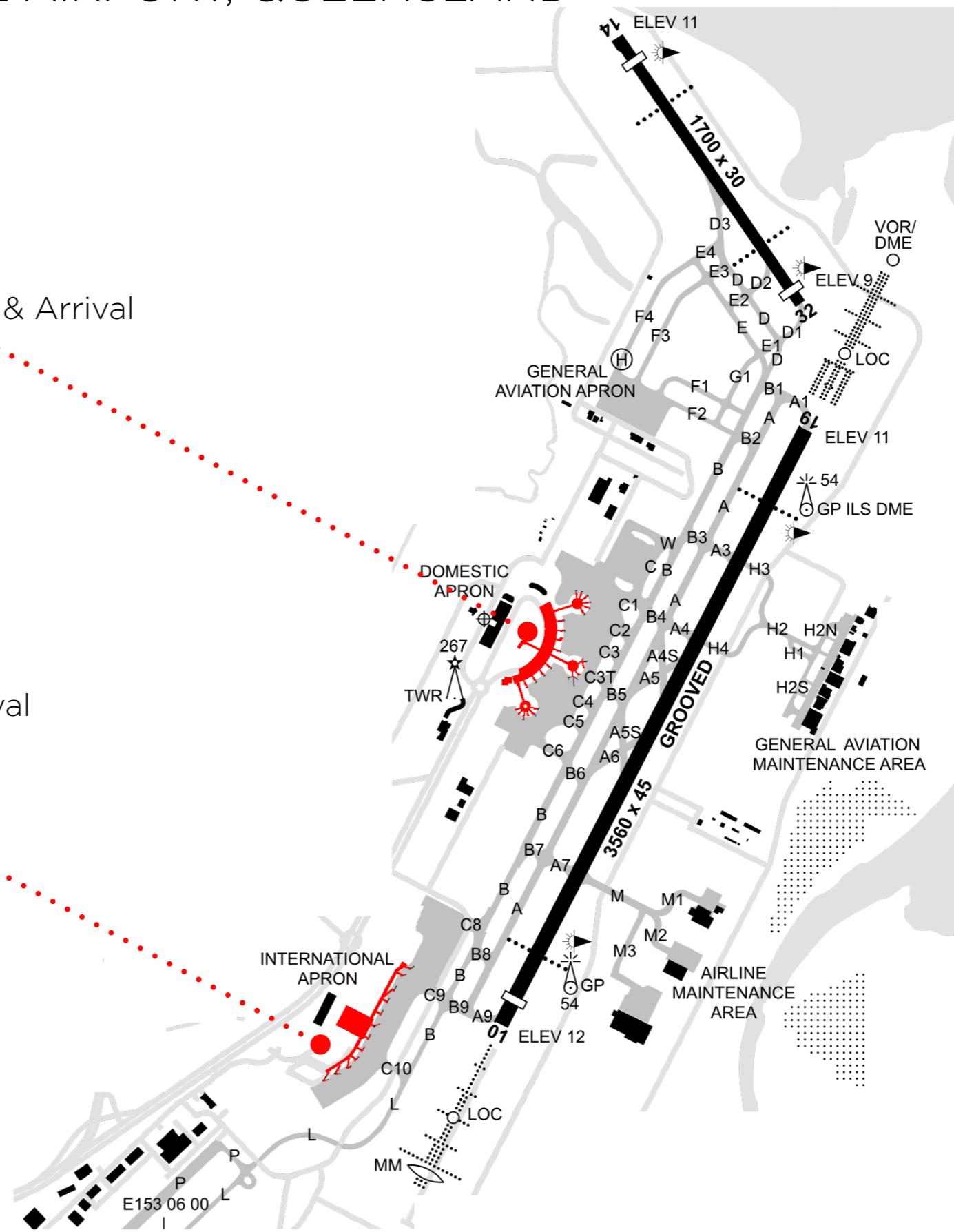


# BRISBANE INTERNATIONAL AIRPORT, QUEENSLAND

YBBN

Domestic Aircraft Departure & Arrival  
Domestic Terminal

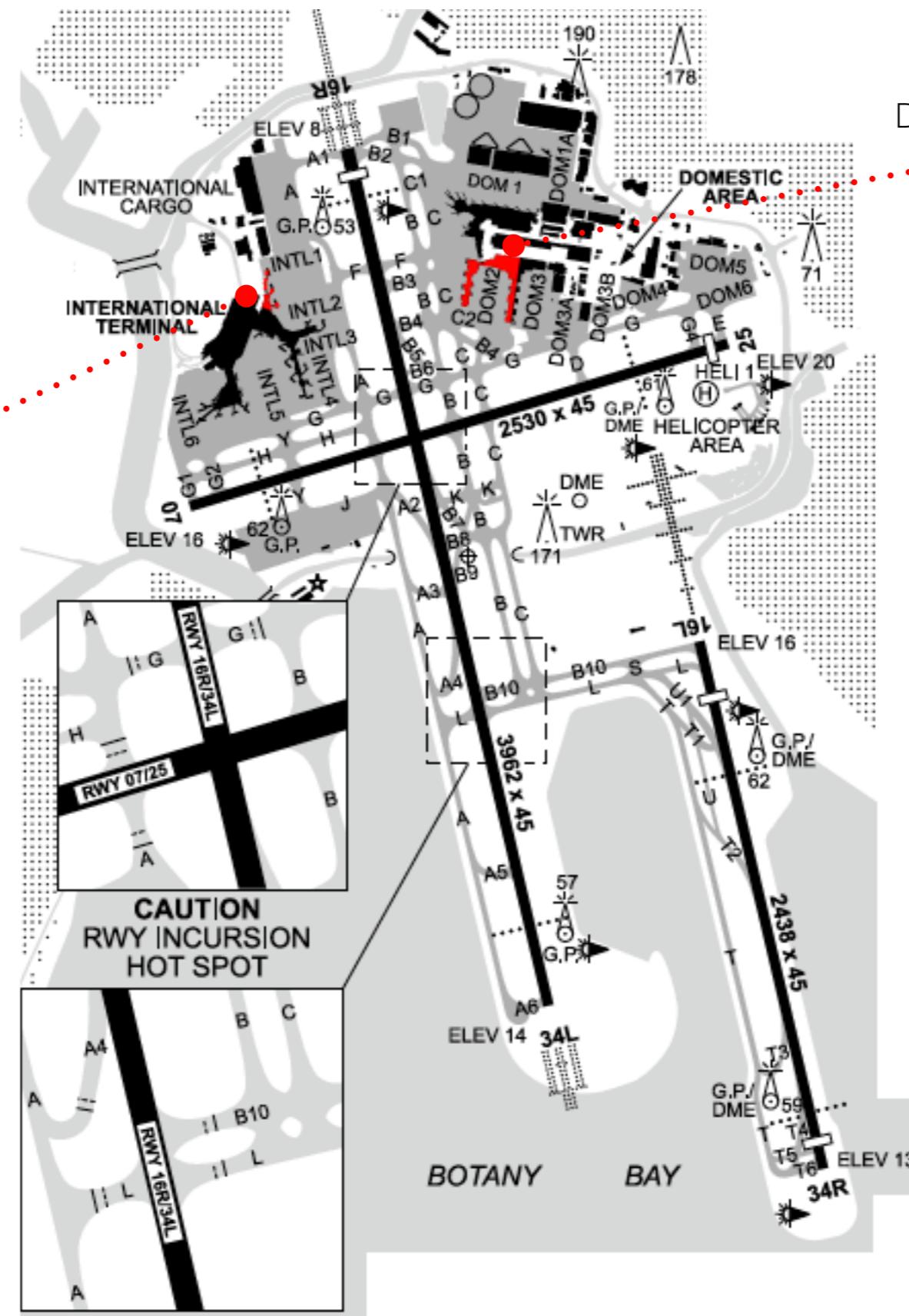
International Aircraft Departure & Arrival  
International Terminal



# SYDNEY KINGSFORD SMITH INTERNATIONAL AIRPORT, NSW

YSSY

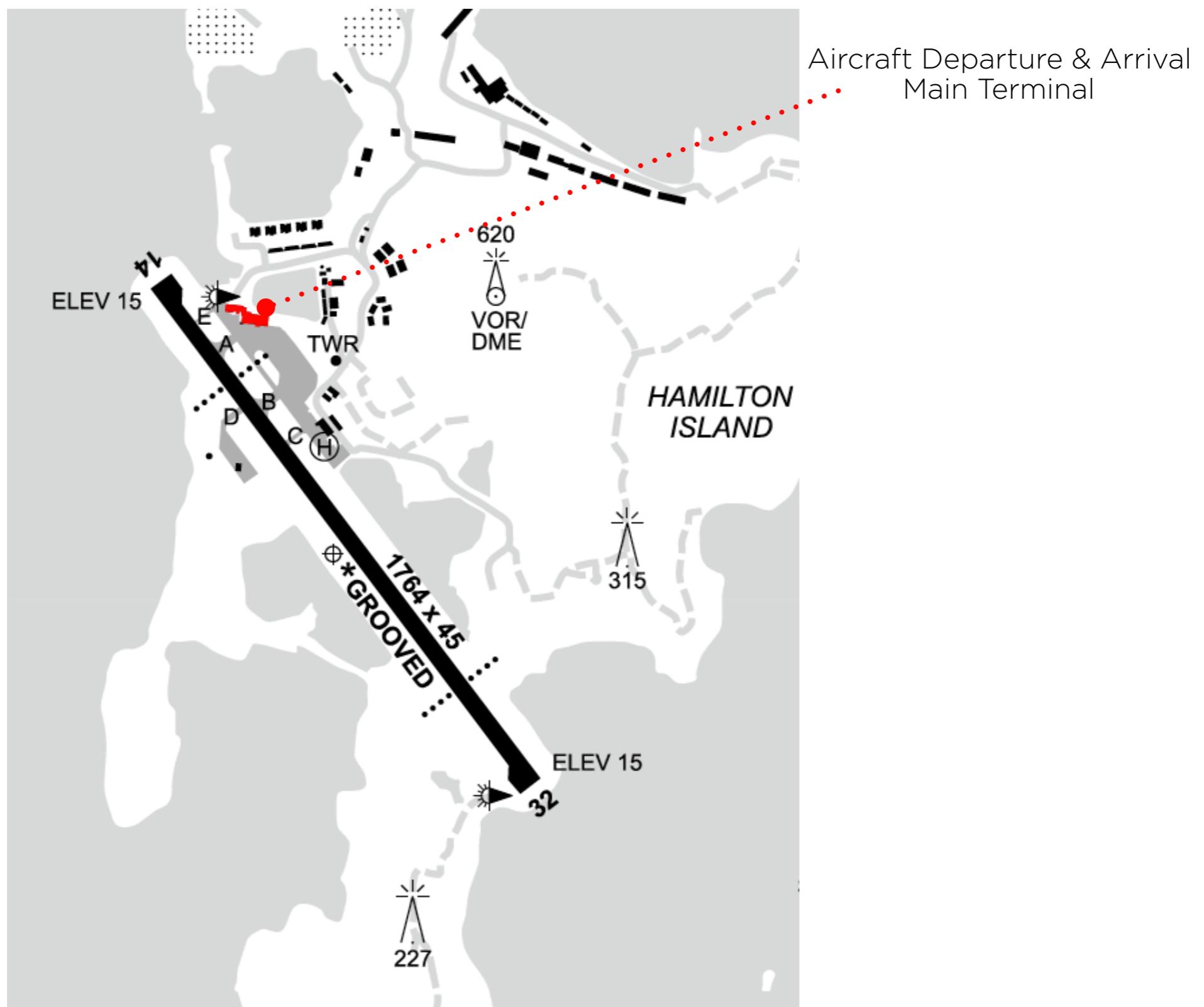
International Aircraft  
Departure & Arrival  
International Terminal



Domestic Aircraft Departure & Arrival  
Domestic Terminal

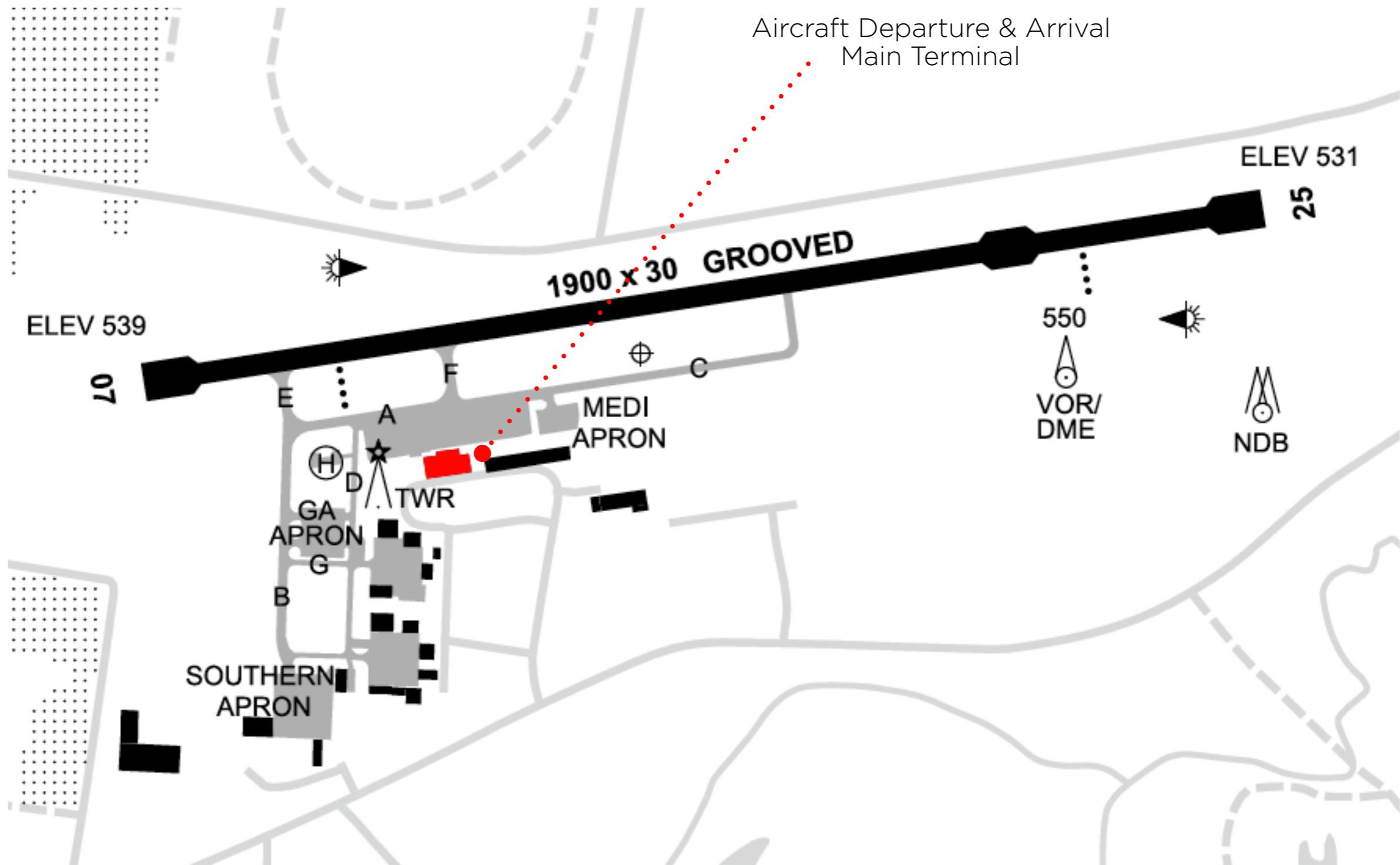
# GREAT BARRIER REEF / HAMILTON ISLAND, QUEENSLAND

YBHM



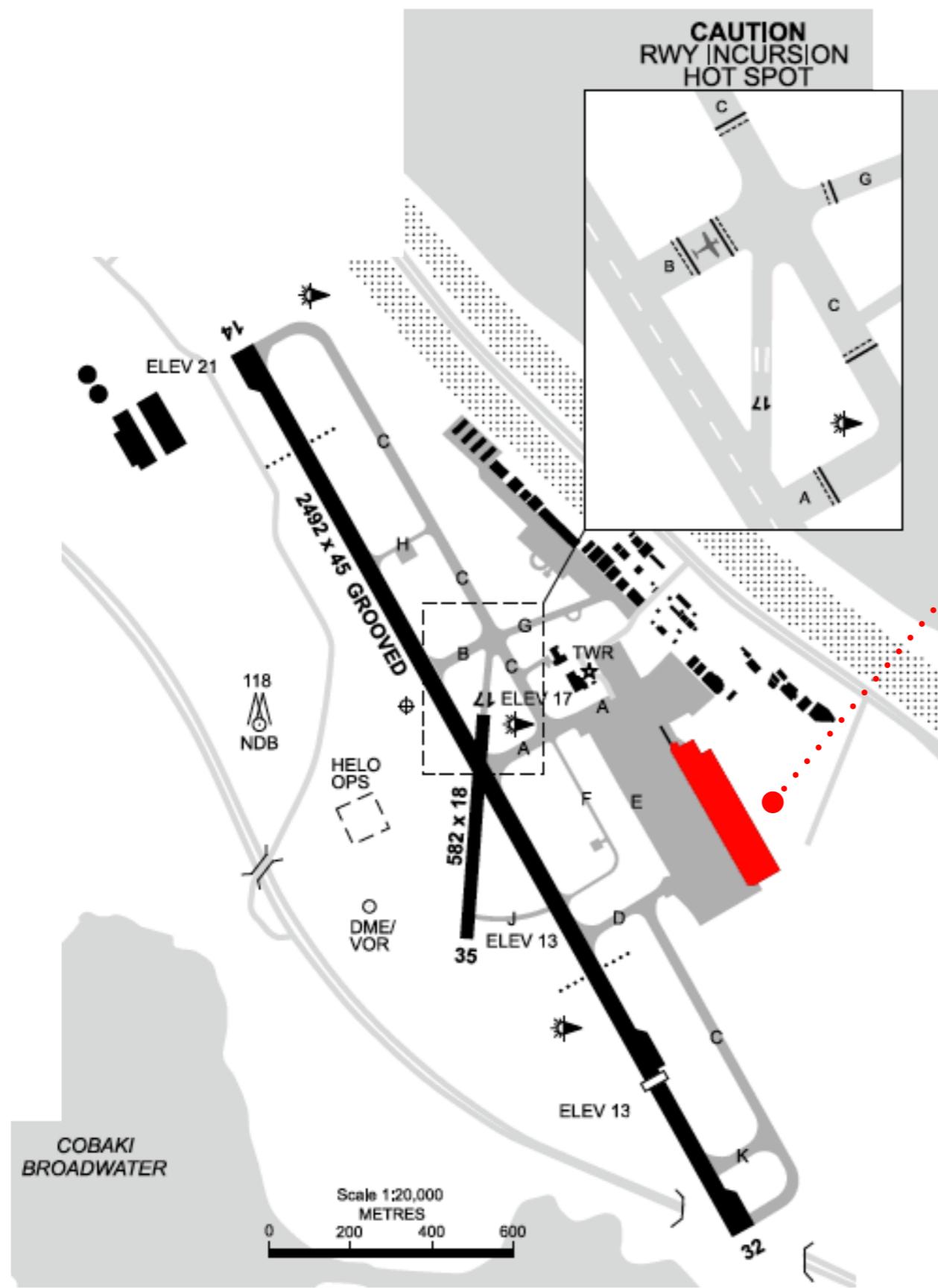
# ALBURY REGIONAL AIRPORT, NSW

YMAY



# GOLDCOAST AIRPORT, QUEENSLAND

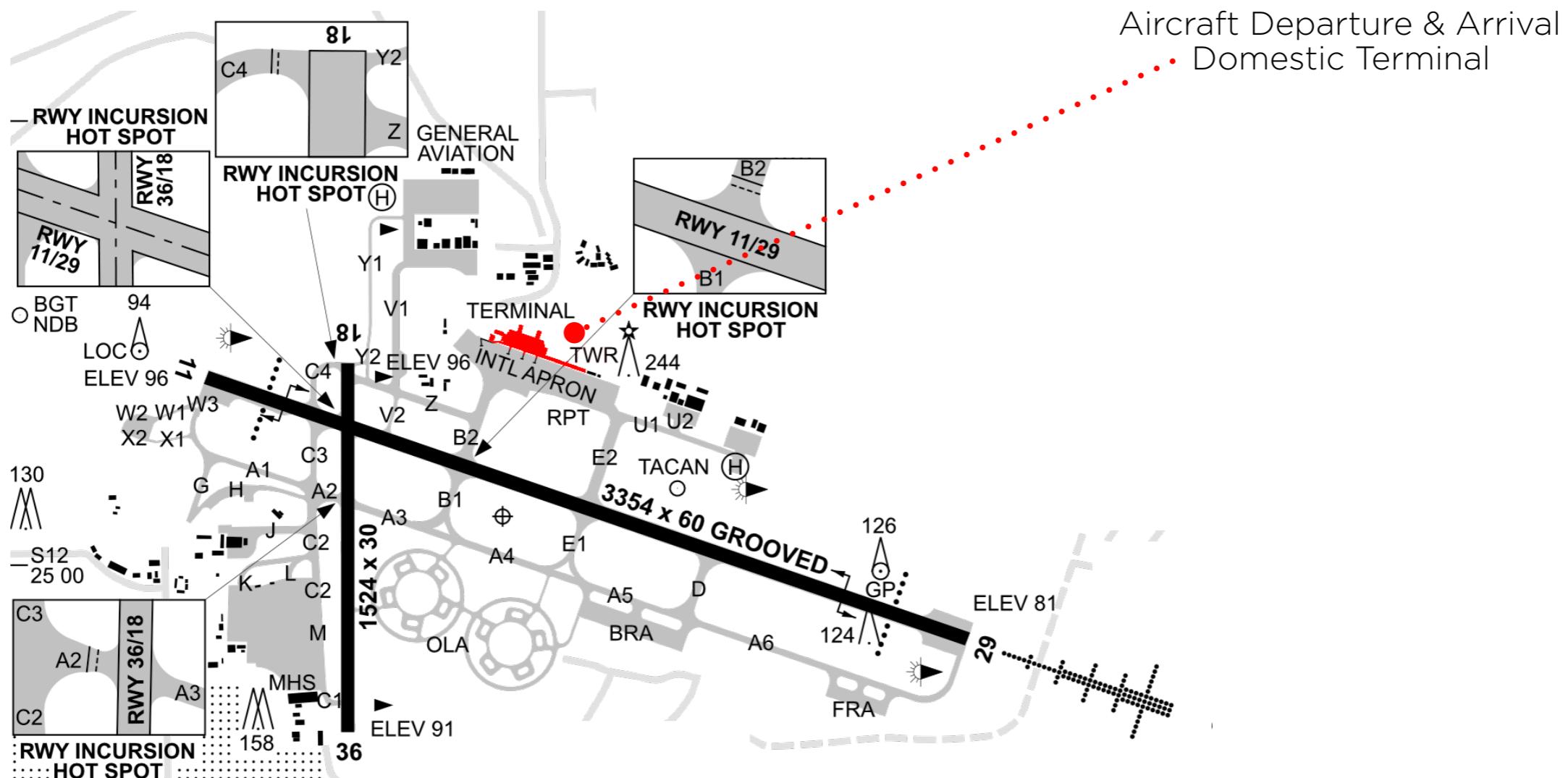
YBCG



Aircraft Departure & Arrival  
Main Terminal

# DARWIN INTERNATIONAL AIRPORT, NORTHERN TERRITORY

YPDN

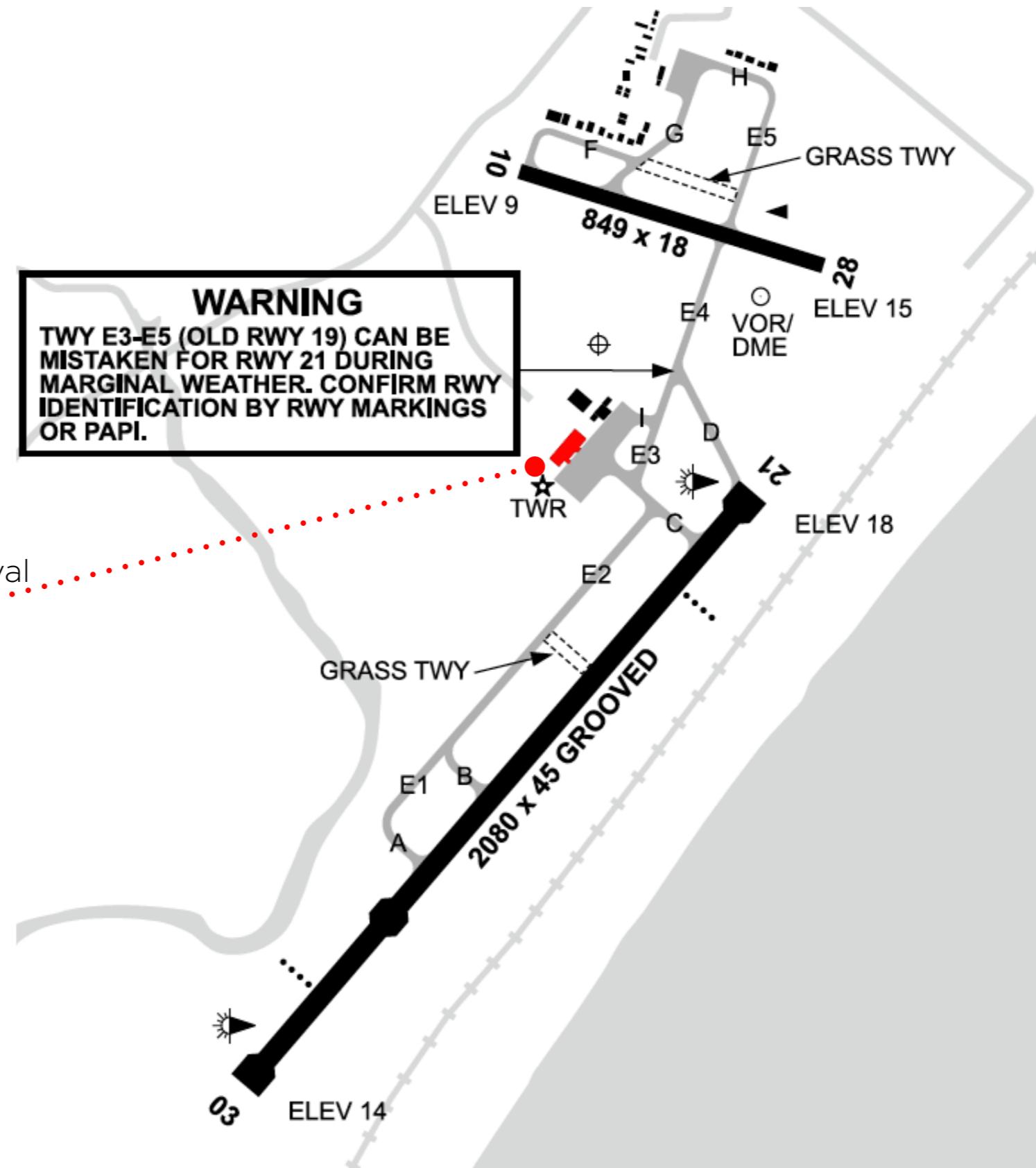


# COFFS HARBOUR AIRPORT, NORTHERN TERRITORY

YCFS

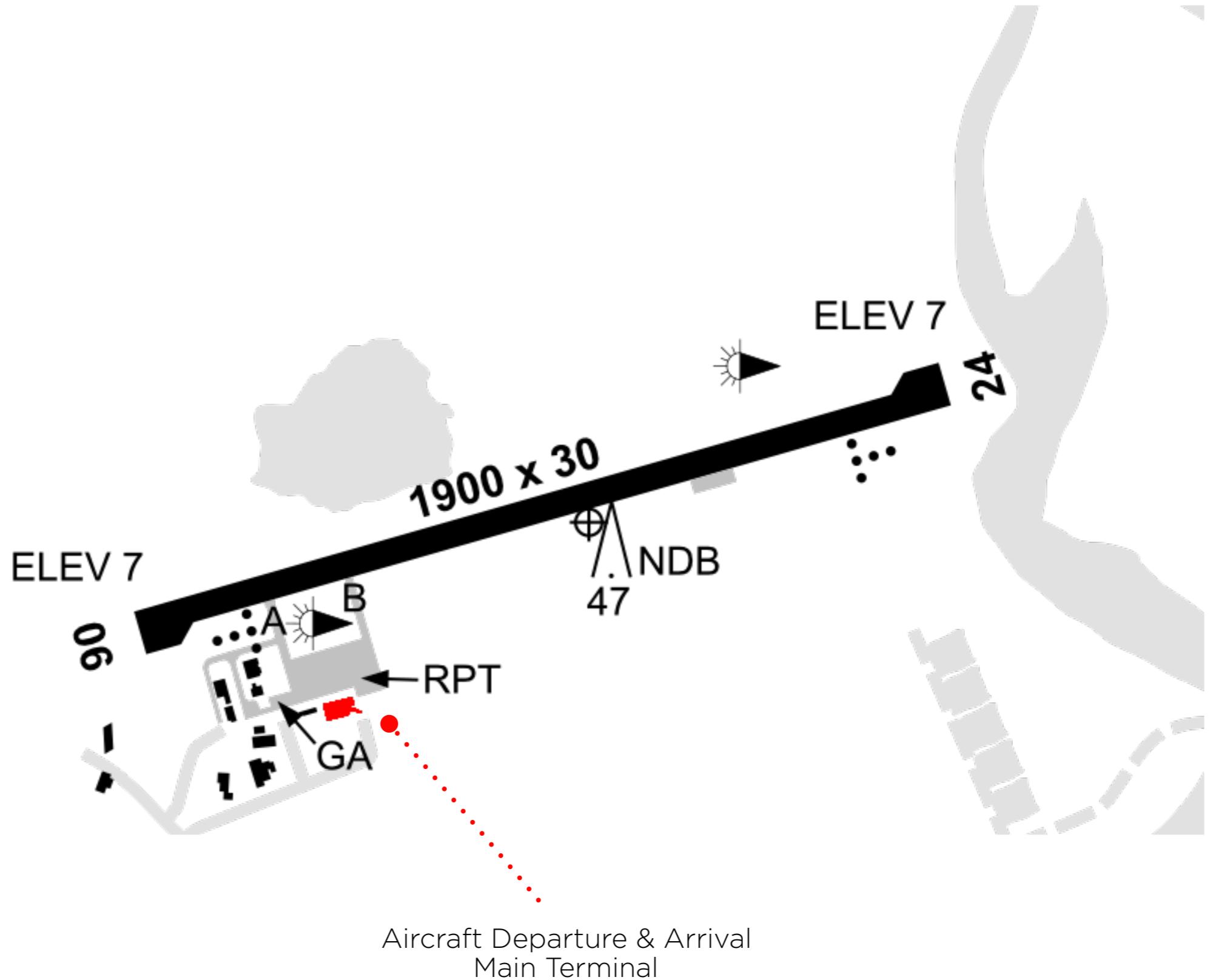
\* LOOK OUT FOR THE BIG  
BANANA ON APPROACH

Aircraft Departure & Arrival  
Domestic Terminal



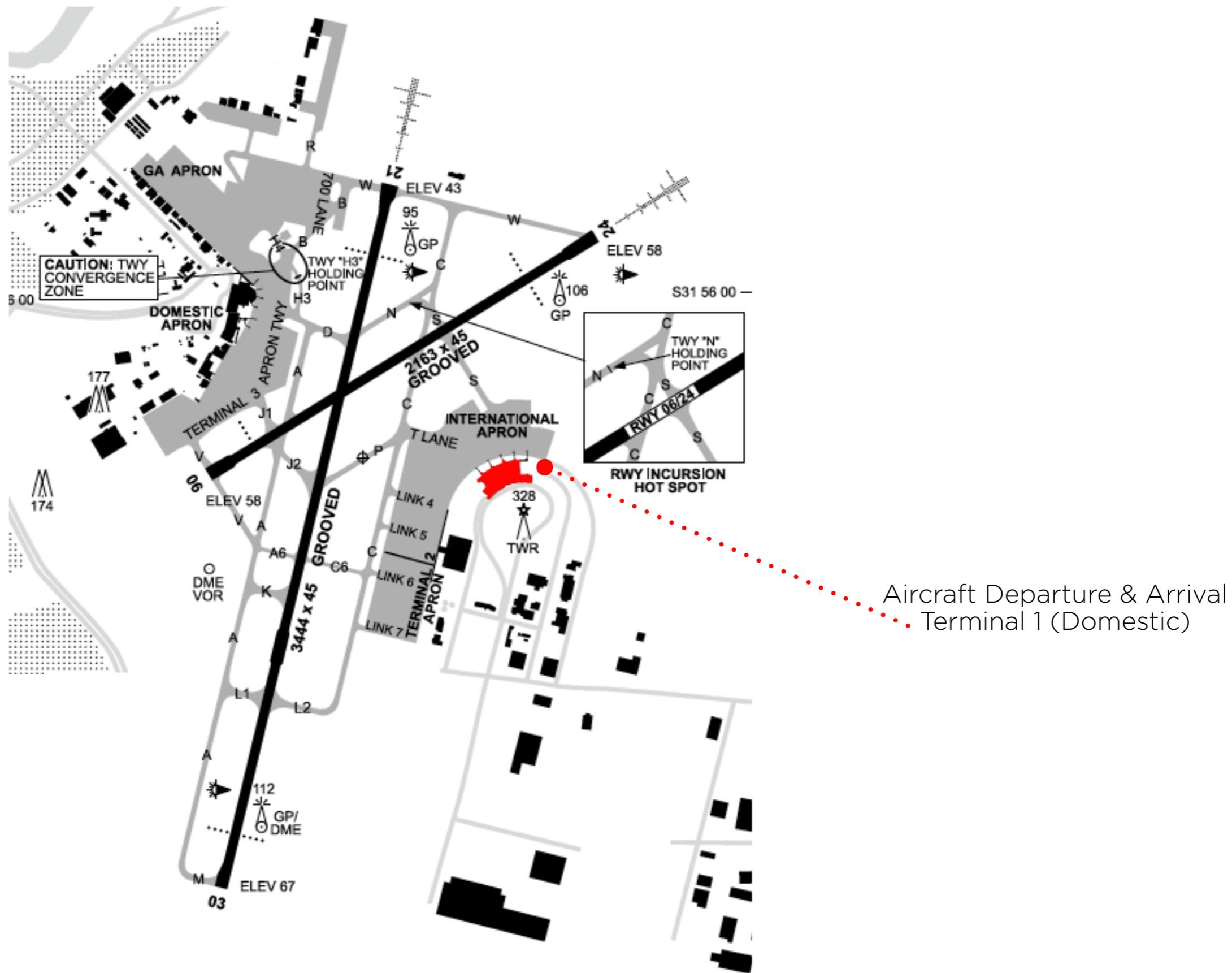
# BALLINA/BRYON GATEWAY, NSW

YBNA



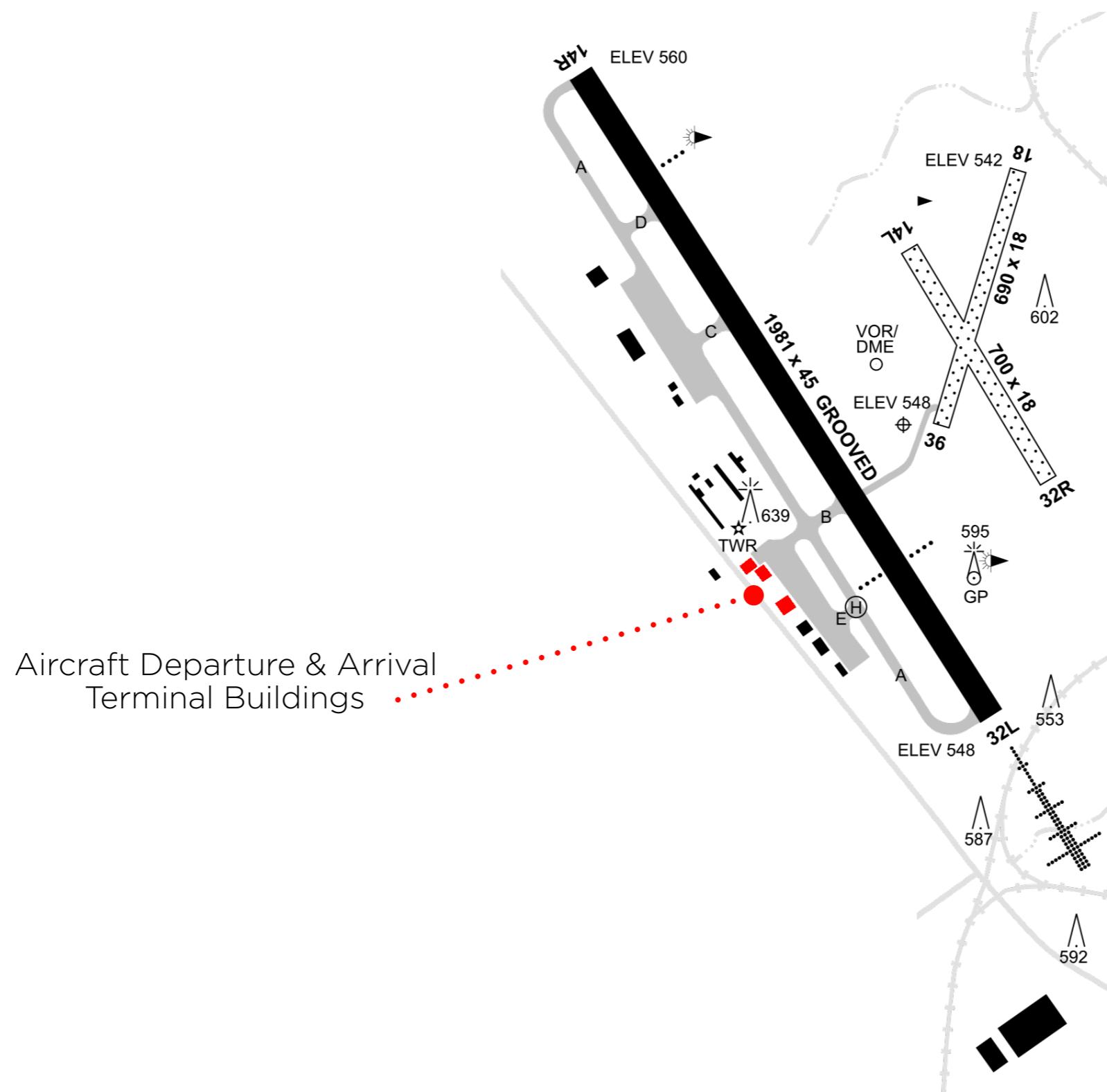
# PERTH INTERNATIONAL AIRPORT, WA

YPPH



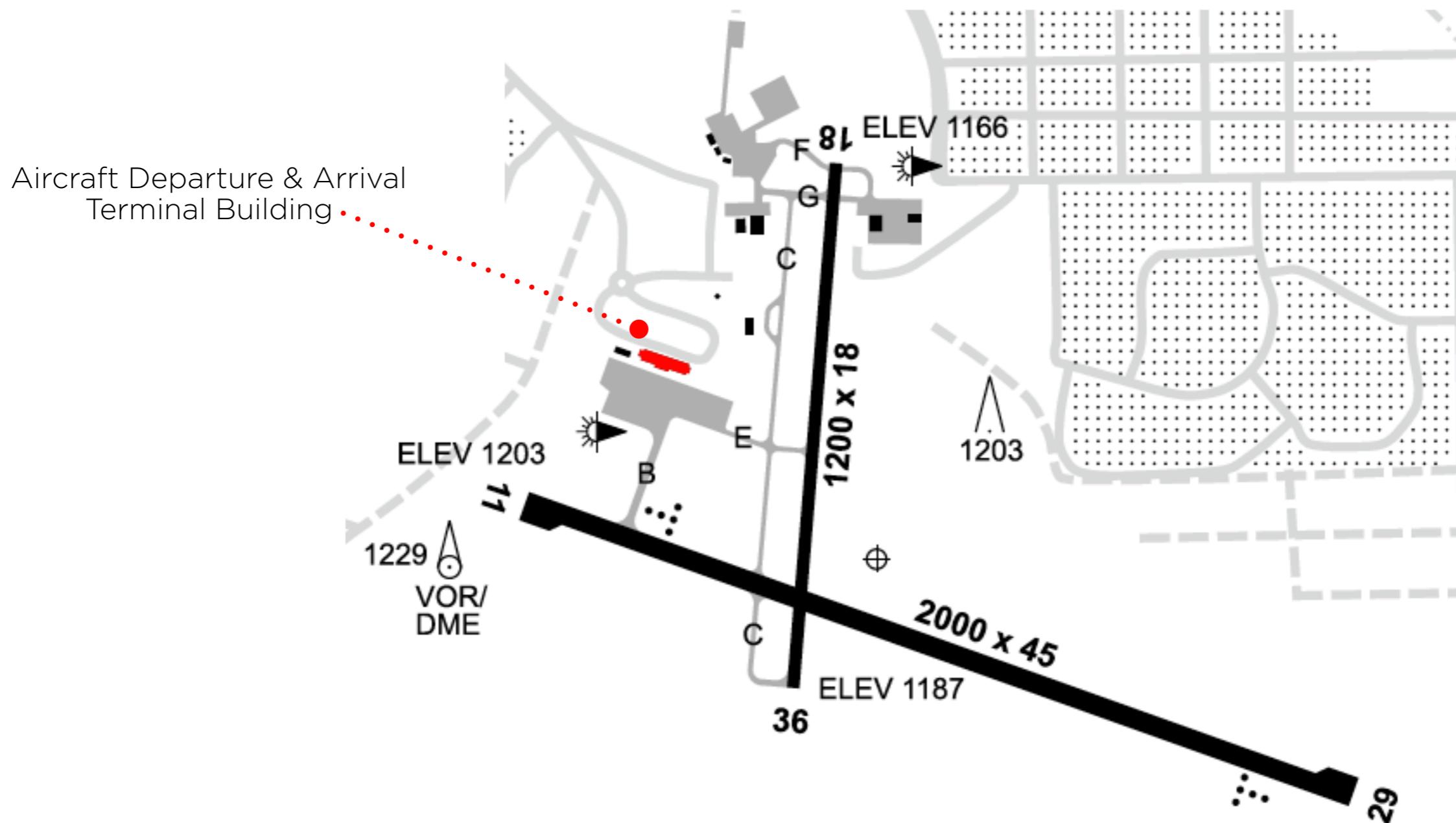
# LAUNCESTON INTERNATIONAL AIRPORT, TASMANIA

YMLT



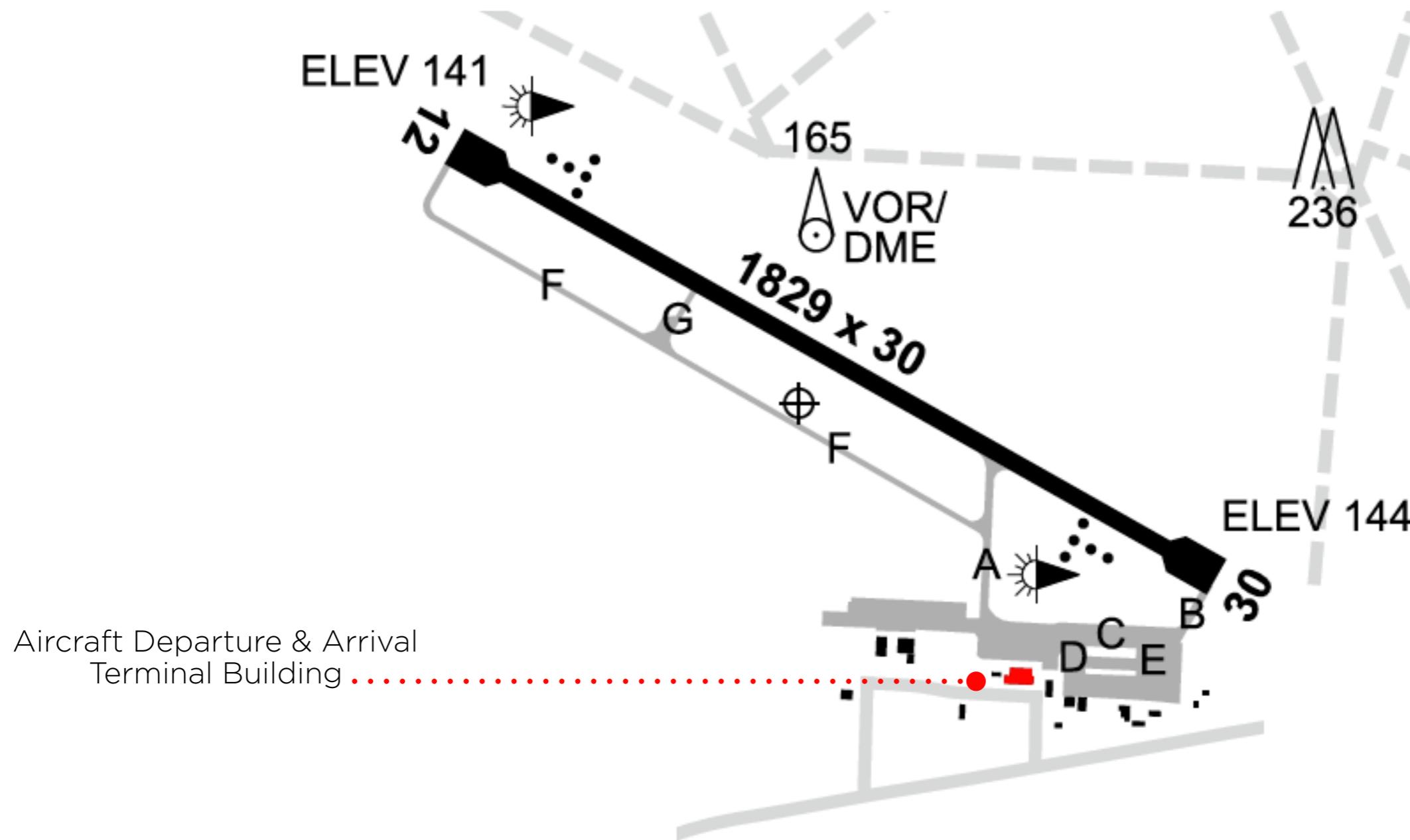
# KALGOORIE-BOULDER AIRPORT, WA

YPKG



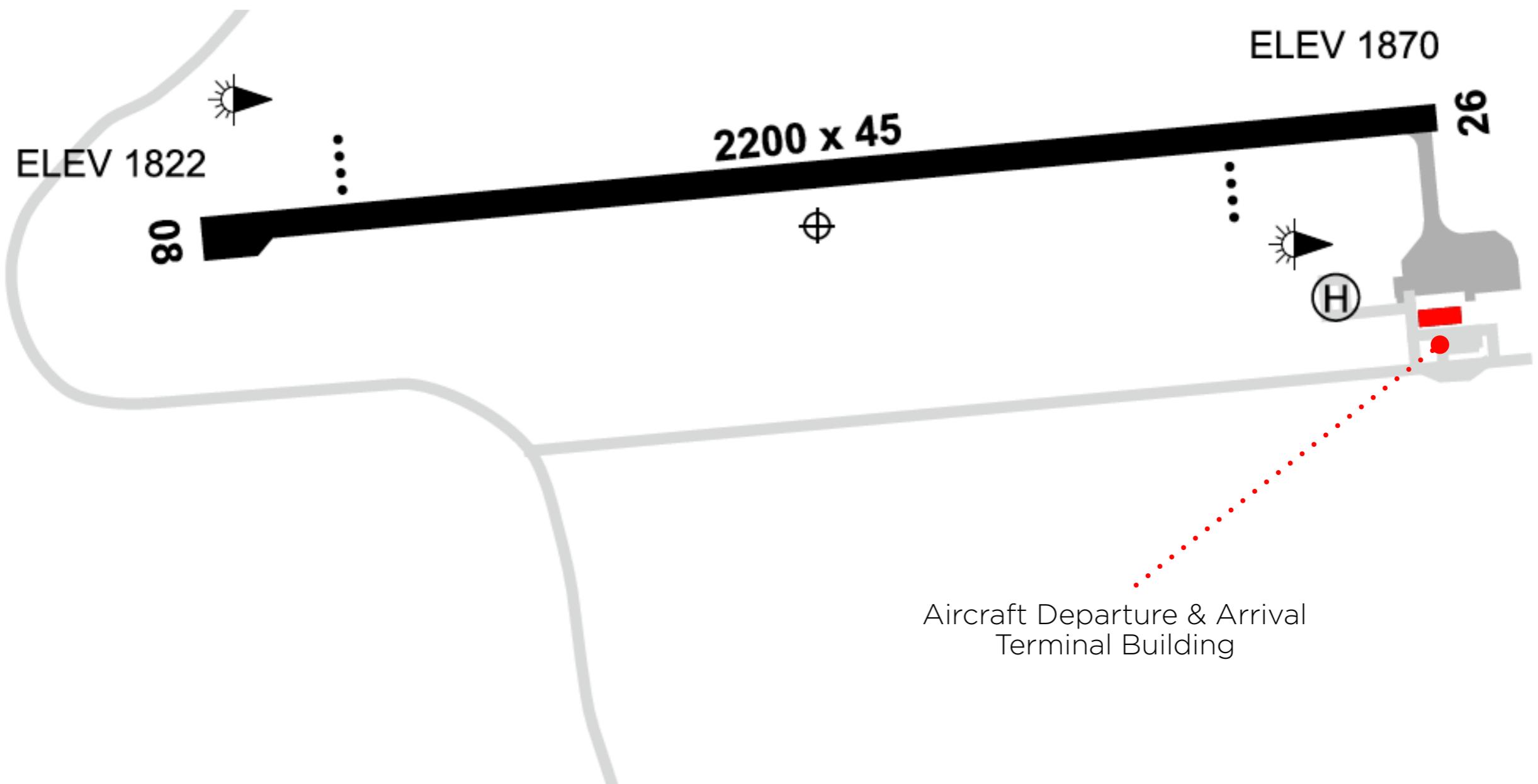
# EAST KIMBERLEY/KUNUNURRA AIRPORT, WA

YPKU



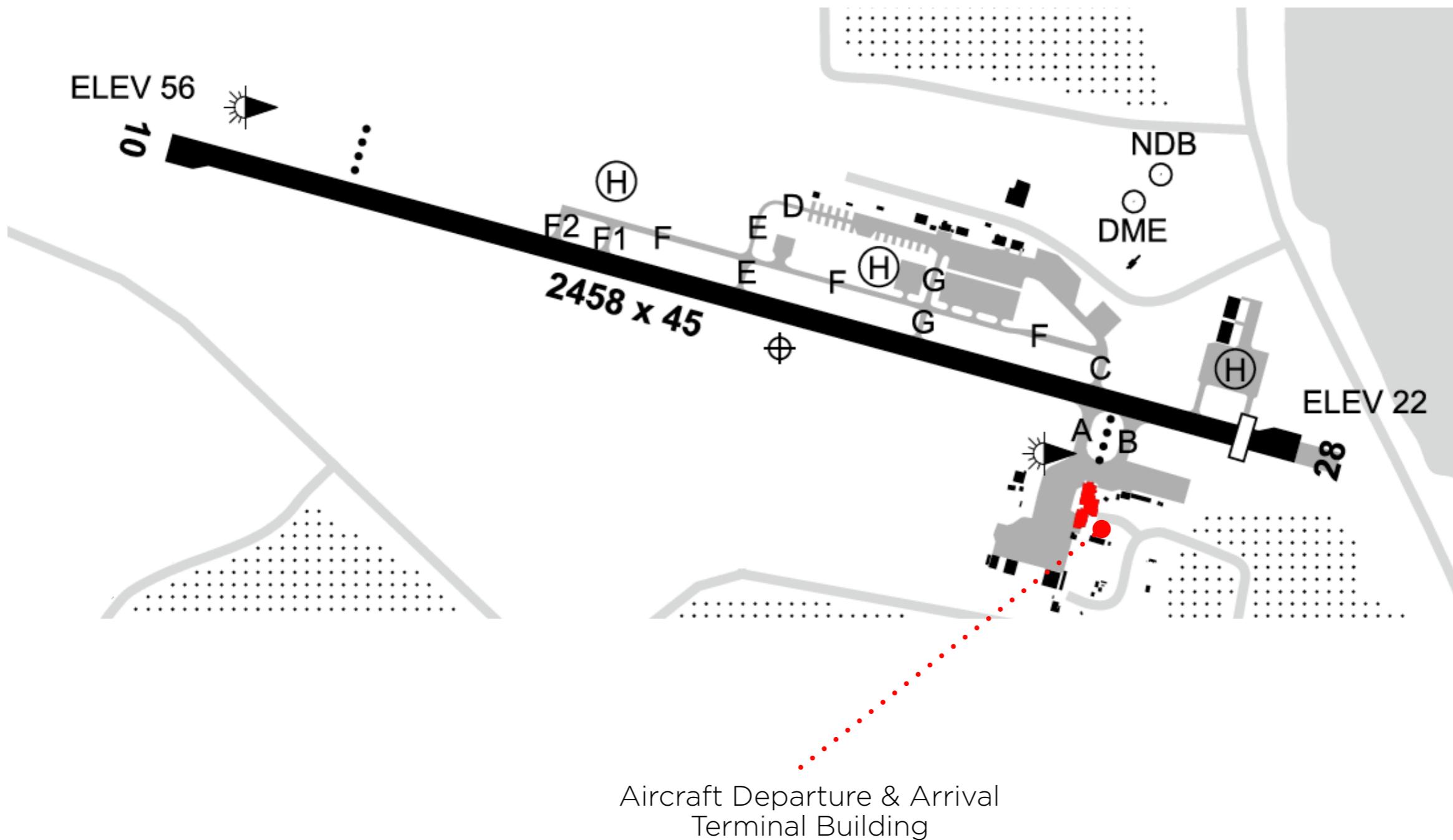
# BOOLGEEDA REGIONAL AIRPORT, WA

YBGD



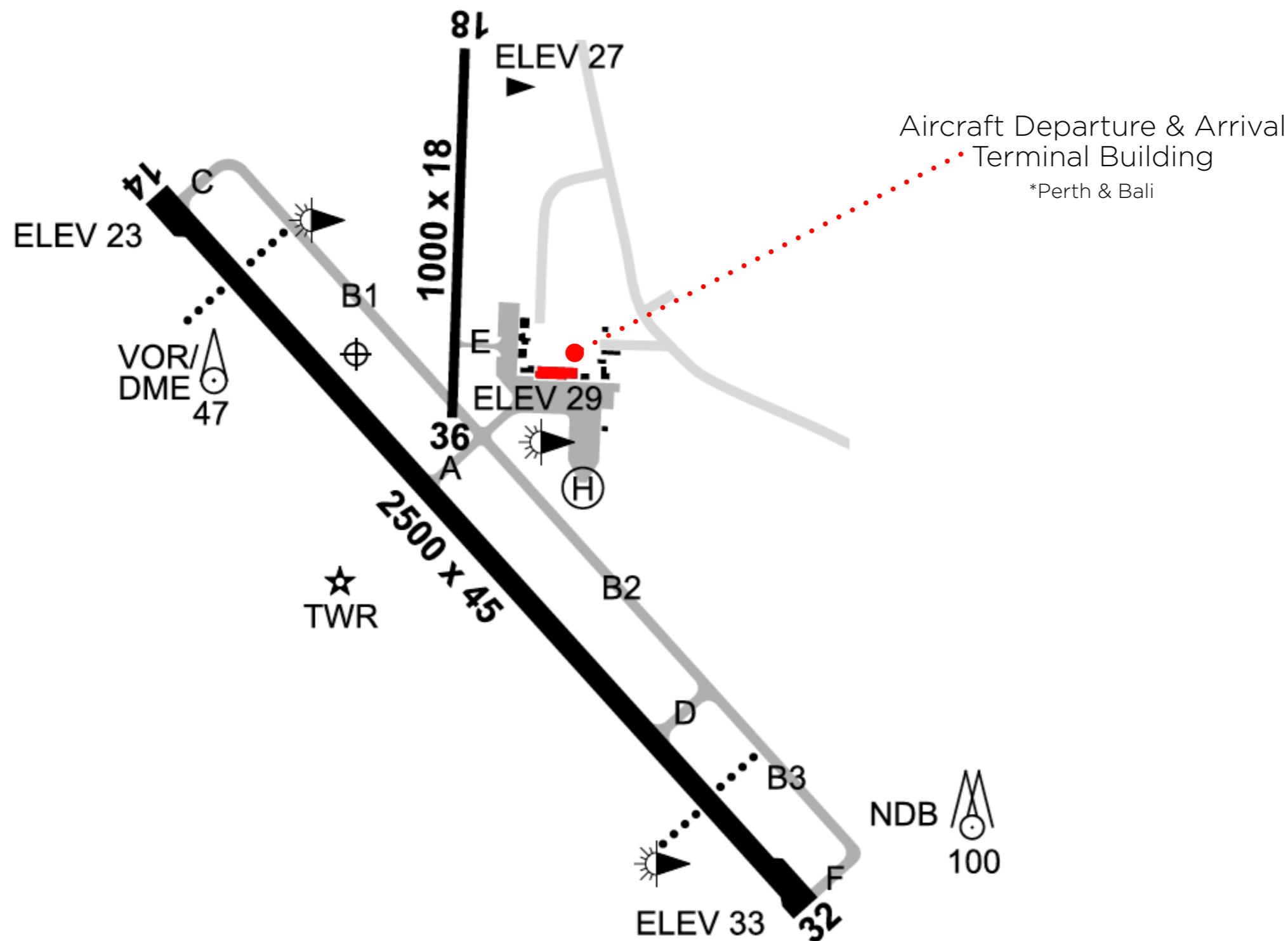
# BROOME INTERNATIONAL AIRPORT, WA

YBRM



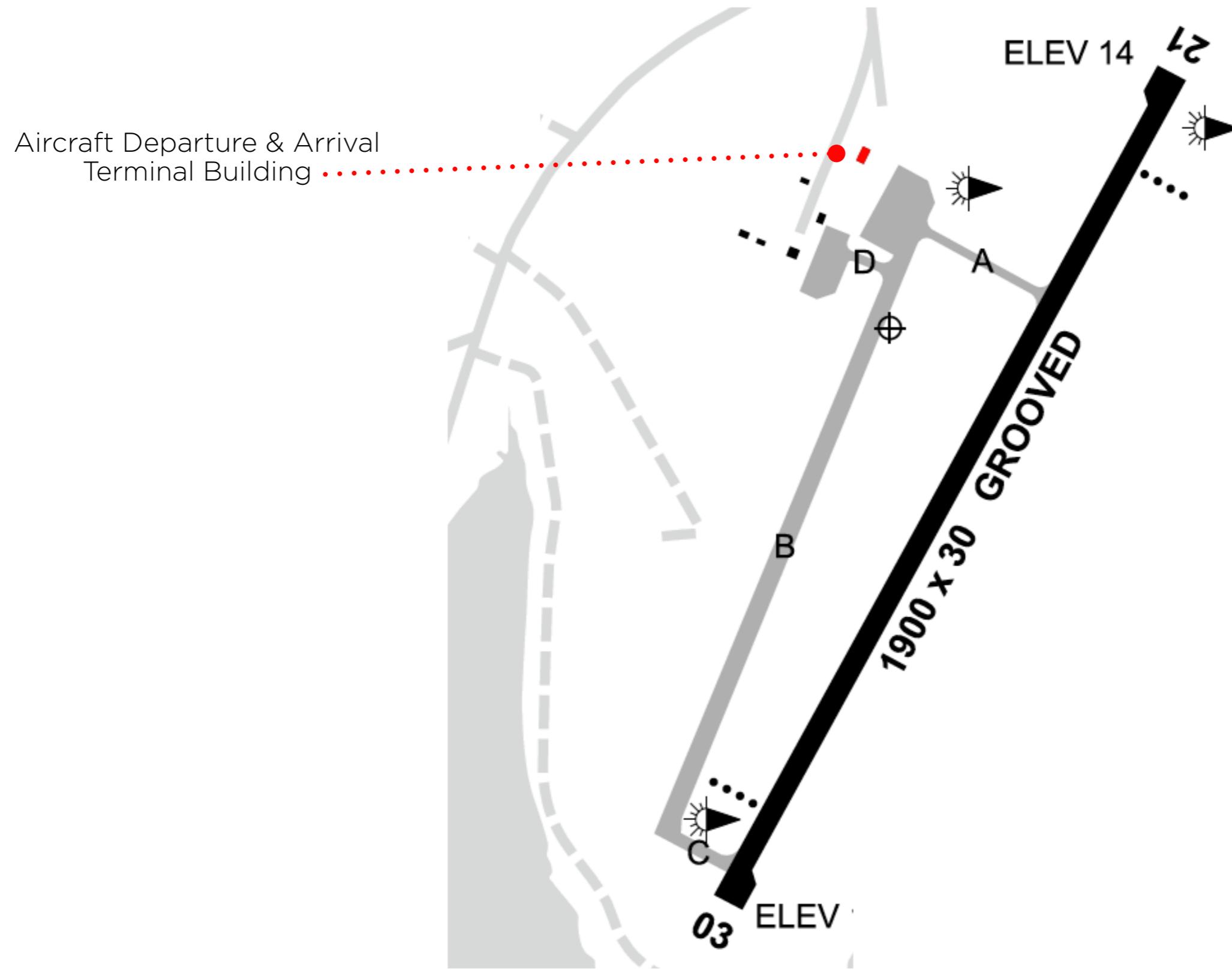
# PORT HEDLAND INTERNATIONAL AIRPORT, WA

YPPD



# ONSLOW REGIONAL AIRPORT, WA

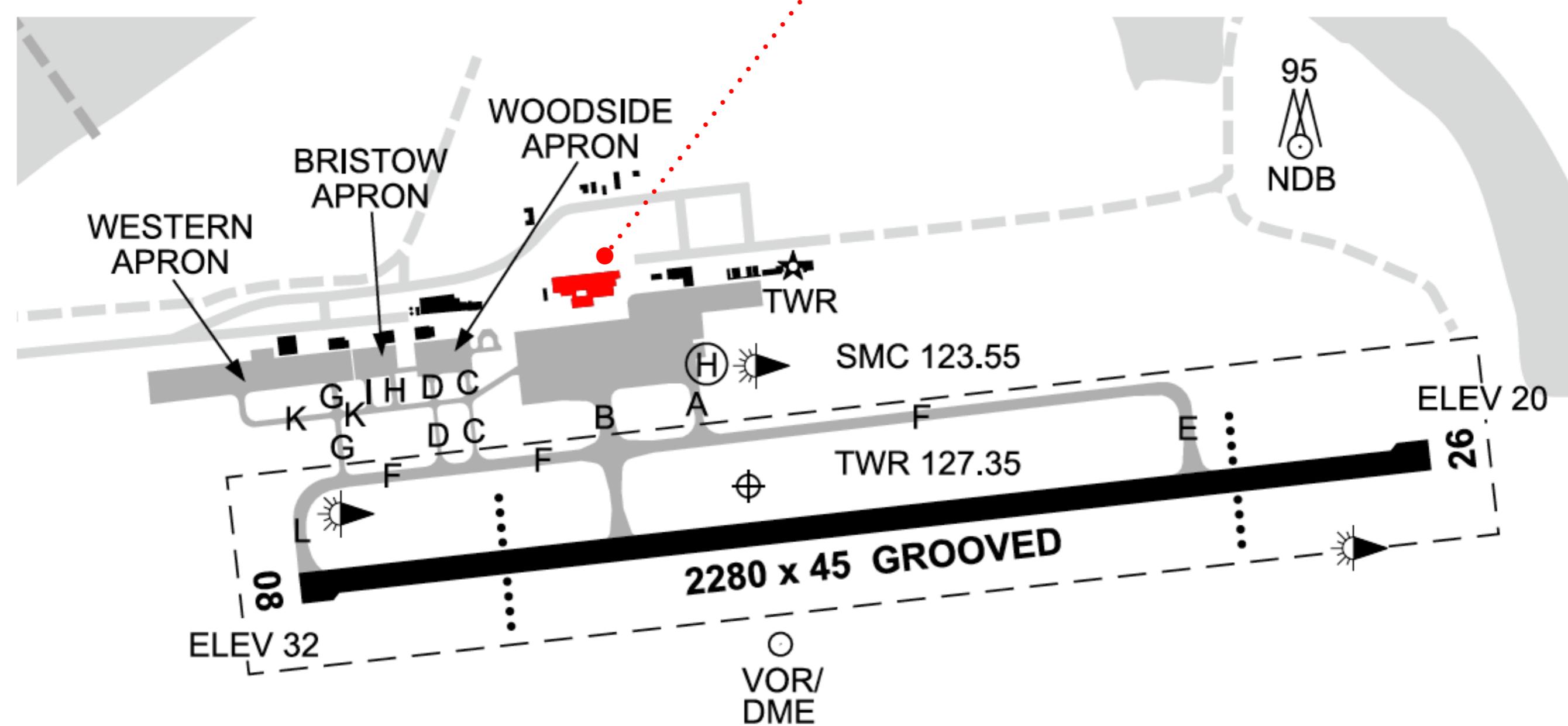
YOLW



# KARRATHA REGIONAL AIRPORT, WA

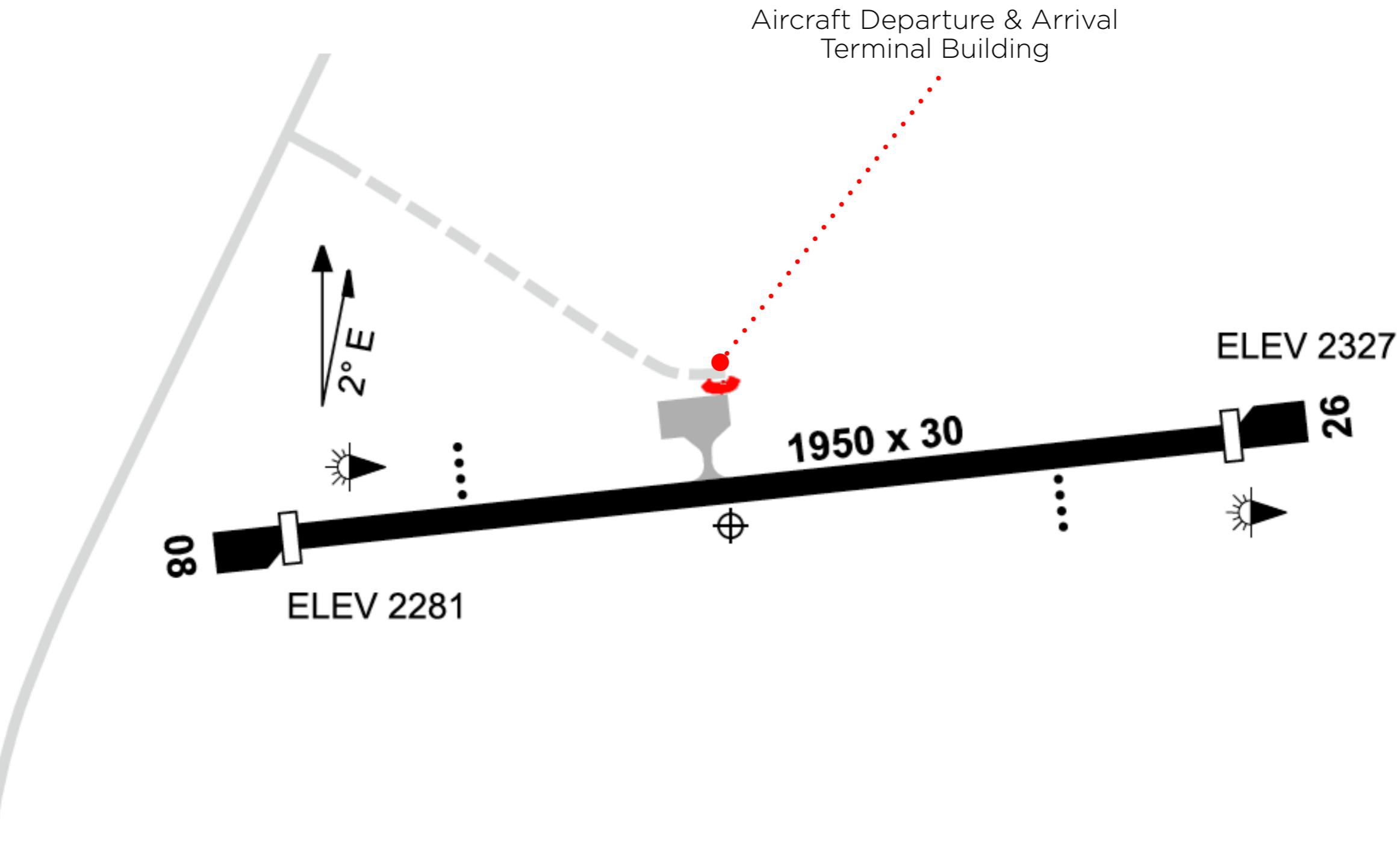
YPKA

Aircraft Departure & Arrival  
Terminal Building



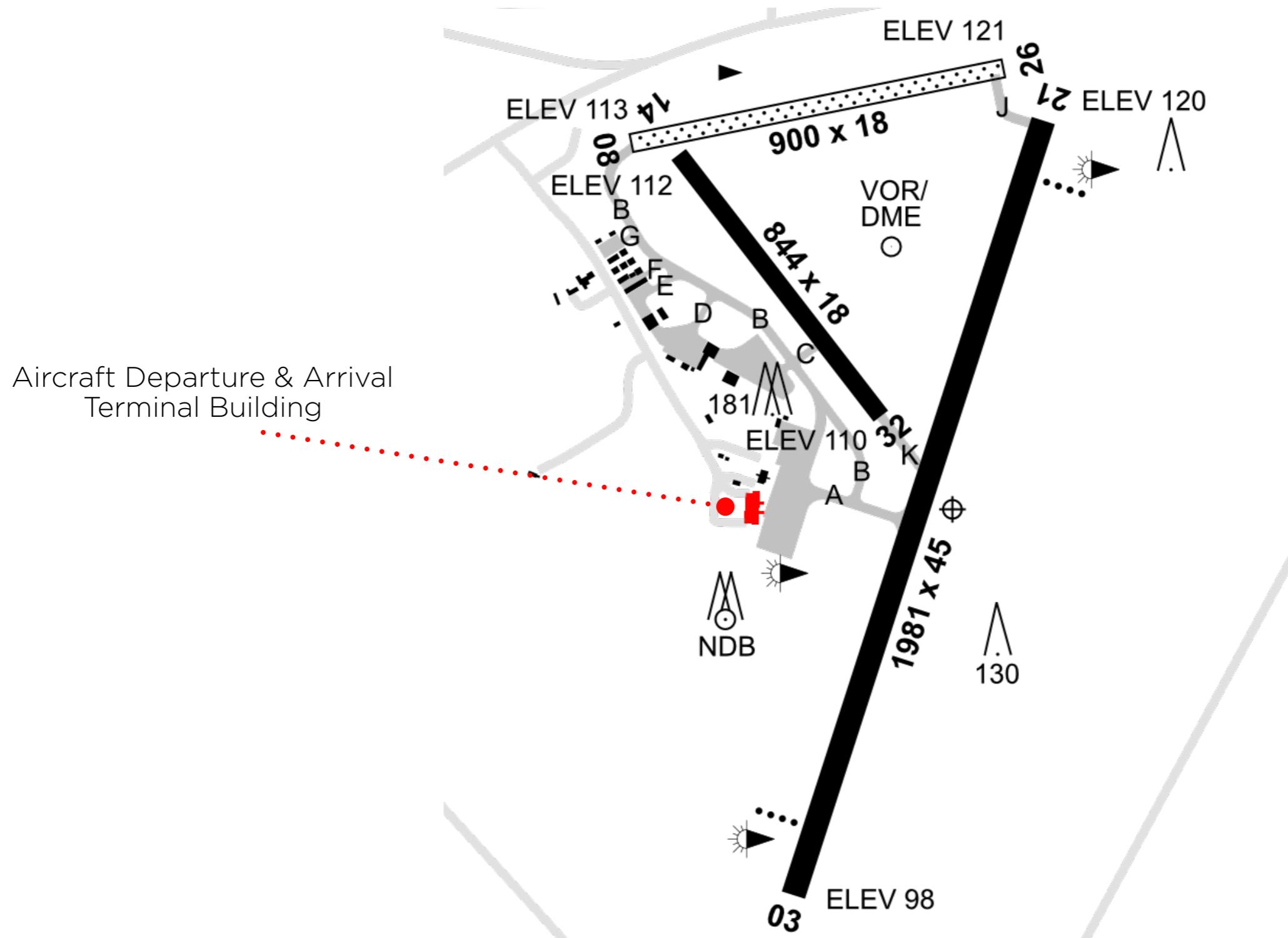
# COONDEWANNA REGIONAL AIRPORT, WA

YCWA



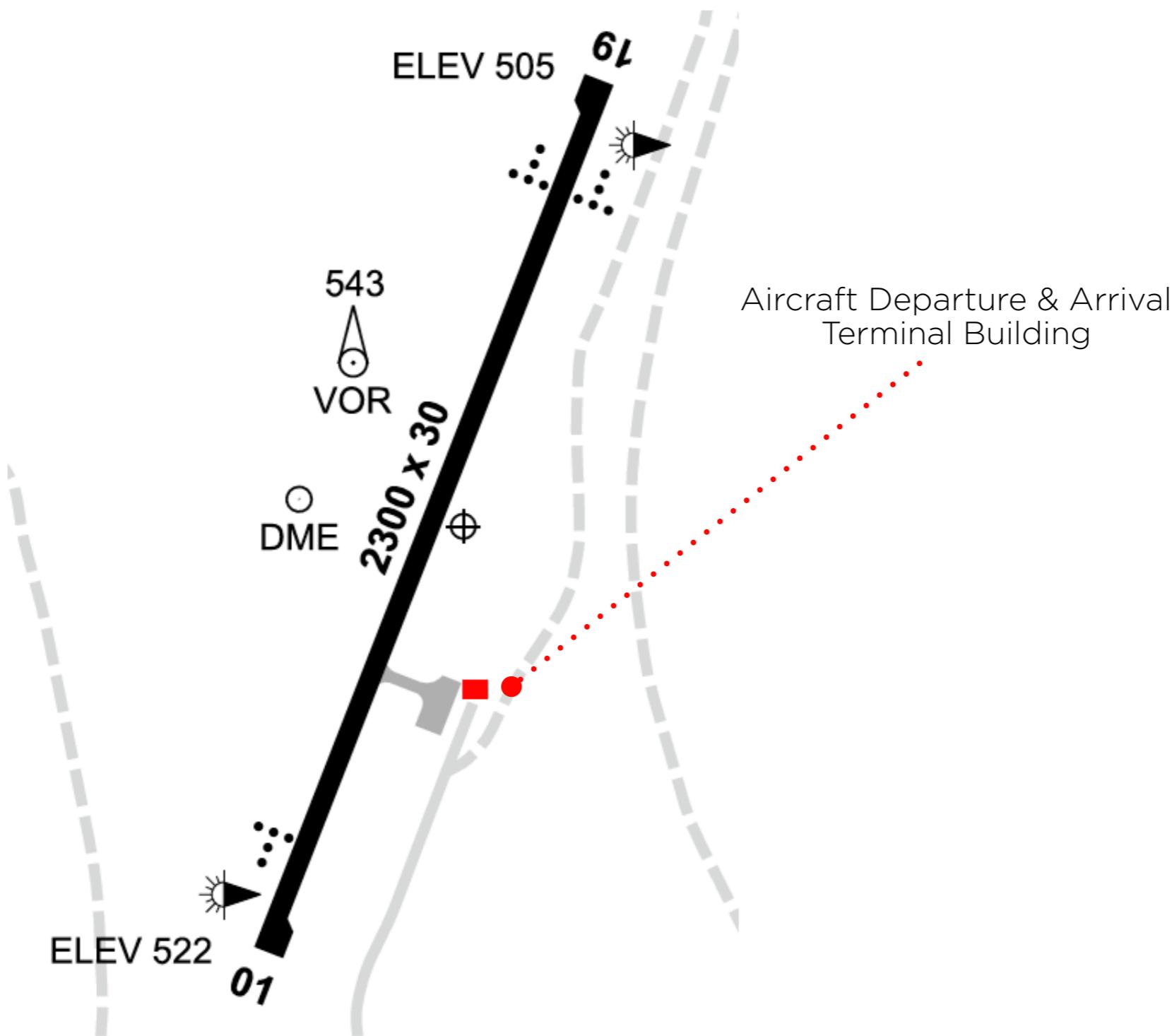
# GERALDTON AIRPORT, WA

YGEL



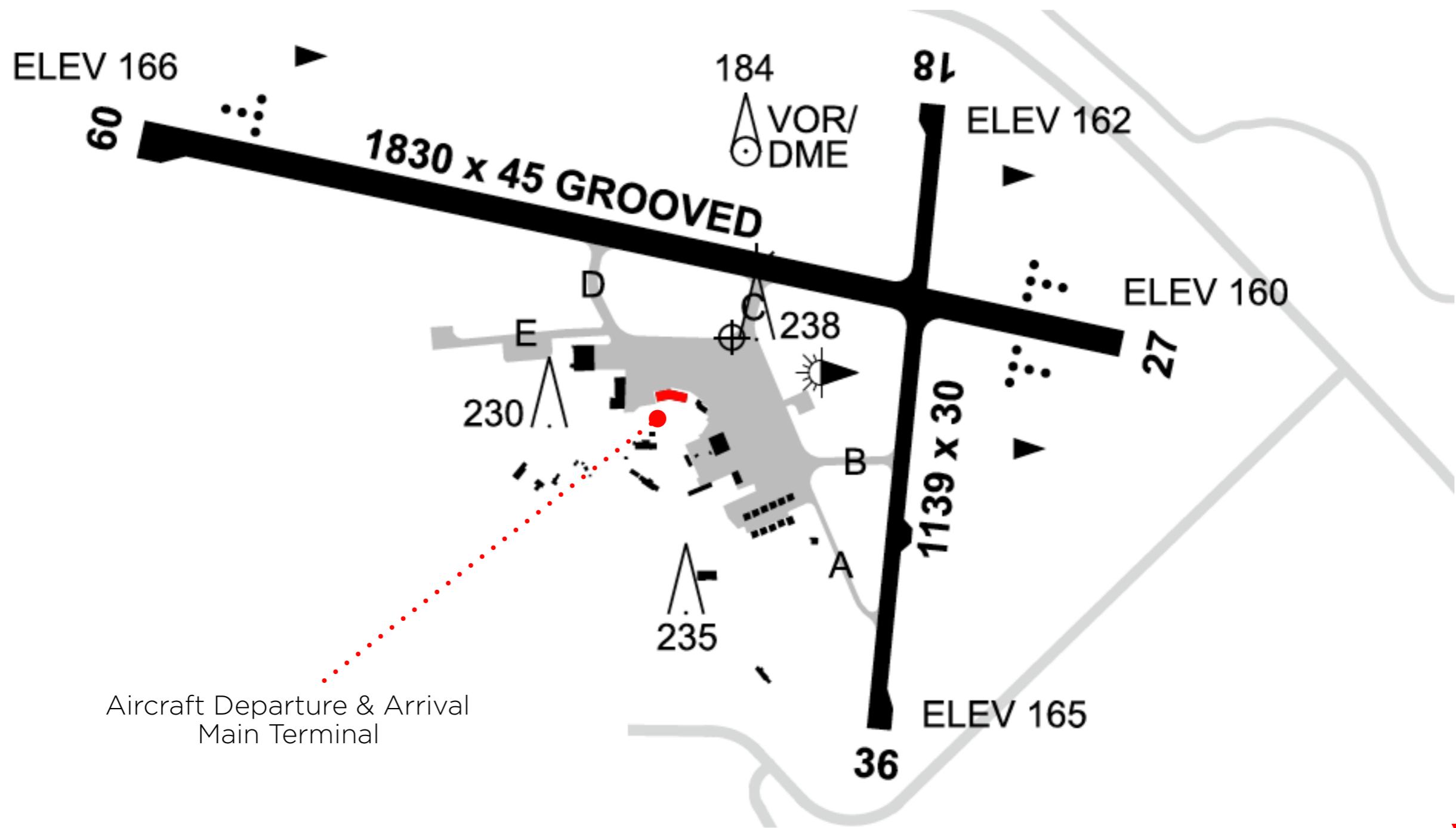
# ARGYLE AIRPORT, WA

YARG



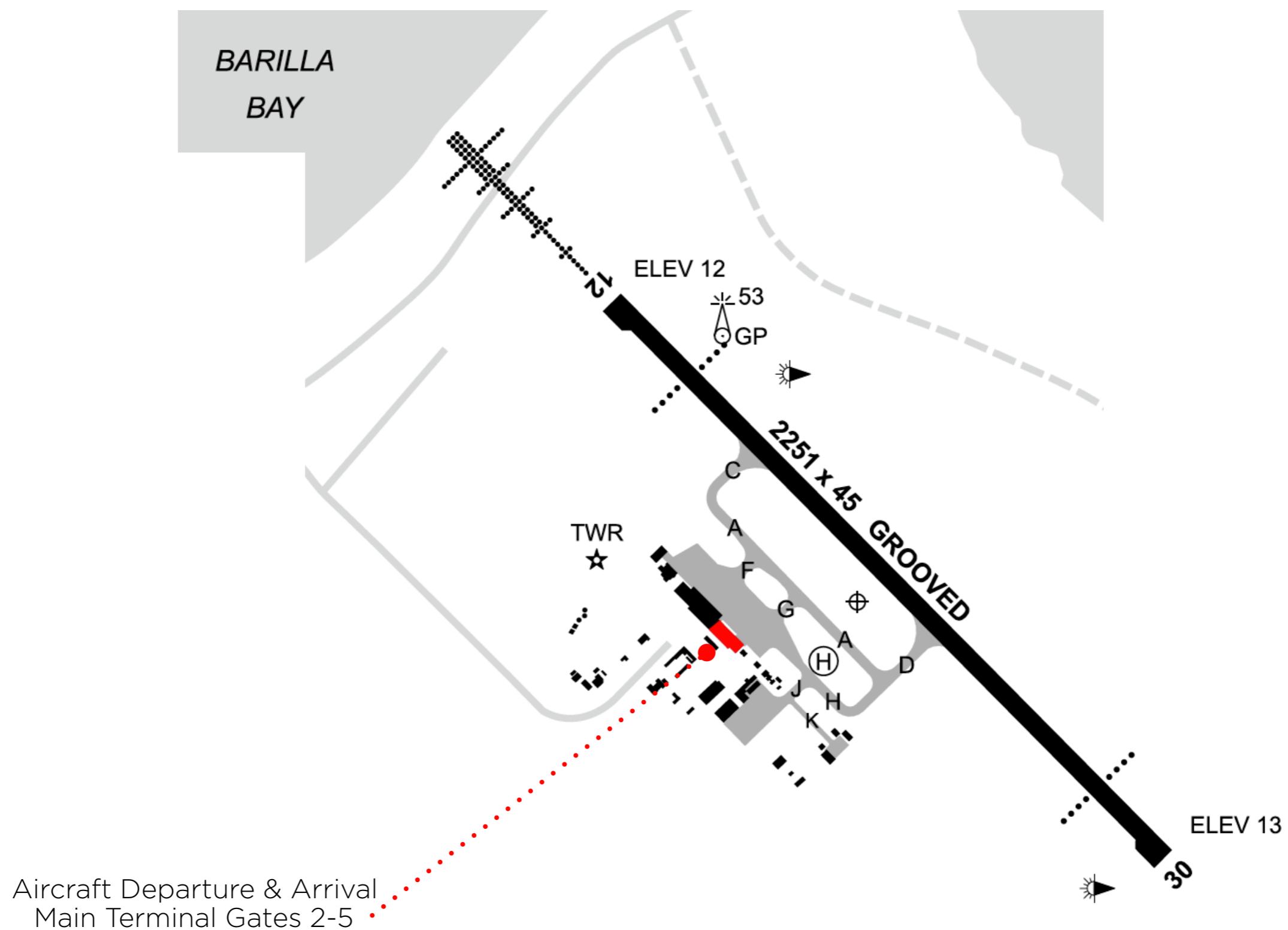
# MILDURA REGIONAL AIRPORT, VIC

YMIA



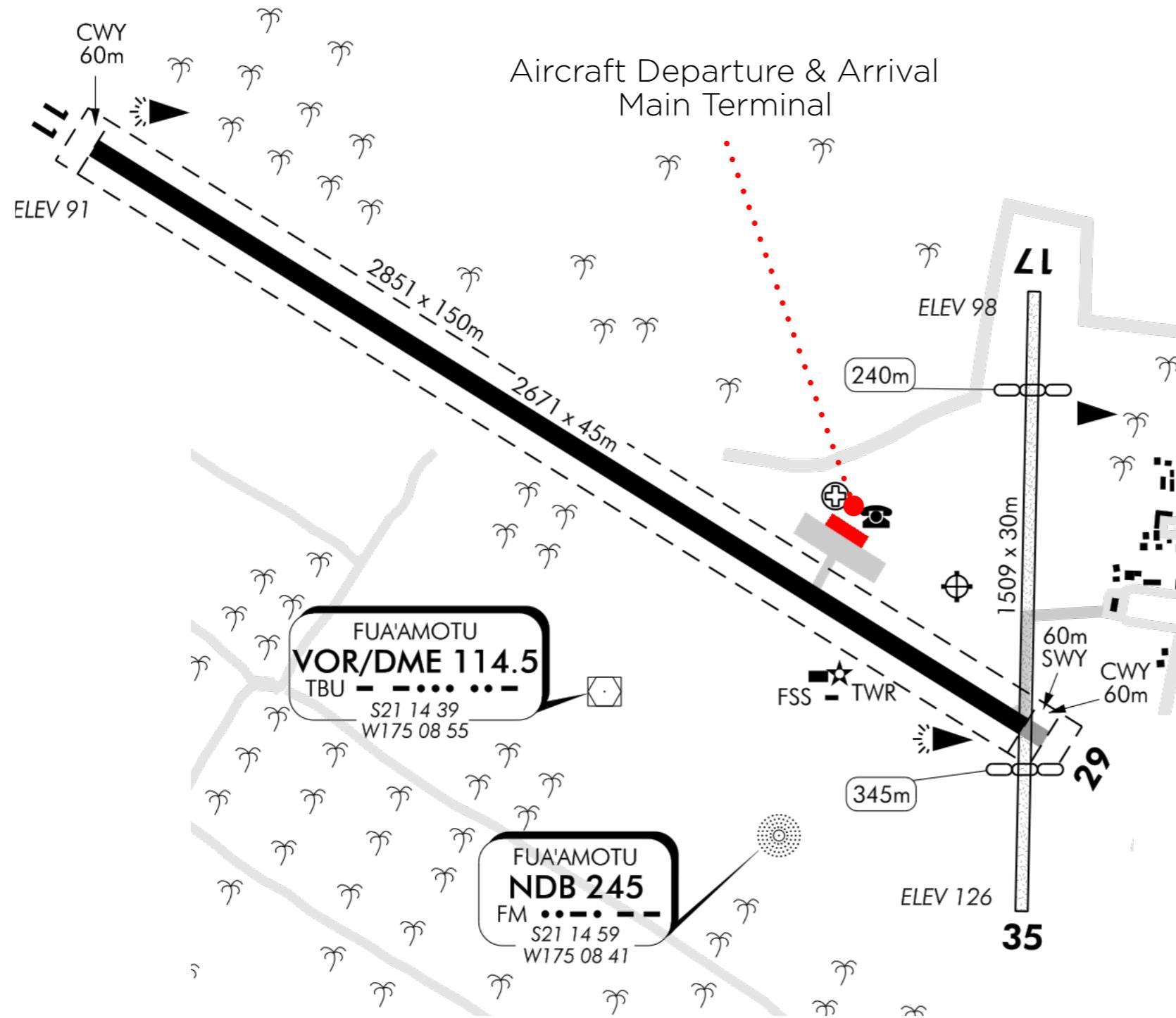
# HOBART INTERNATIONAL AIRPORT, TASMANIA

YMHB



# FUA' AMOTU INTERNATIONAL AIRPORT, TONGA

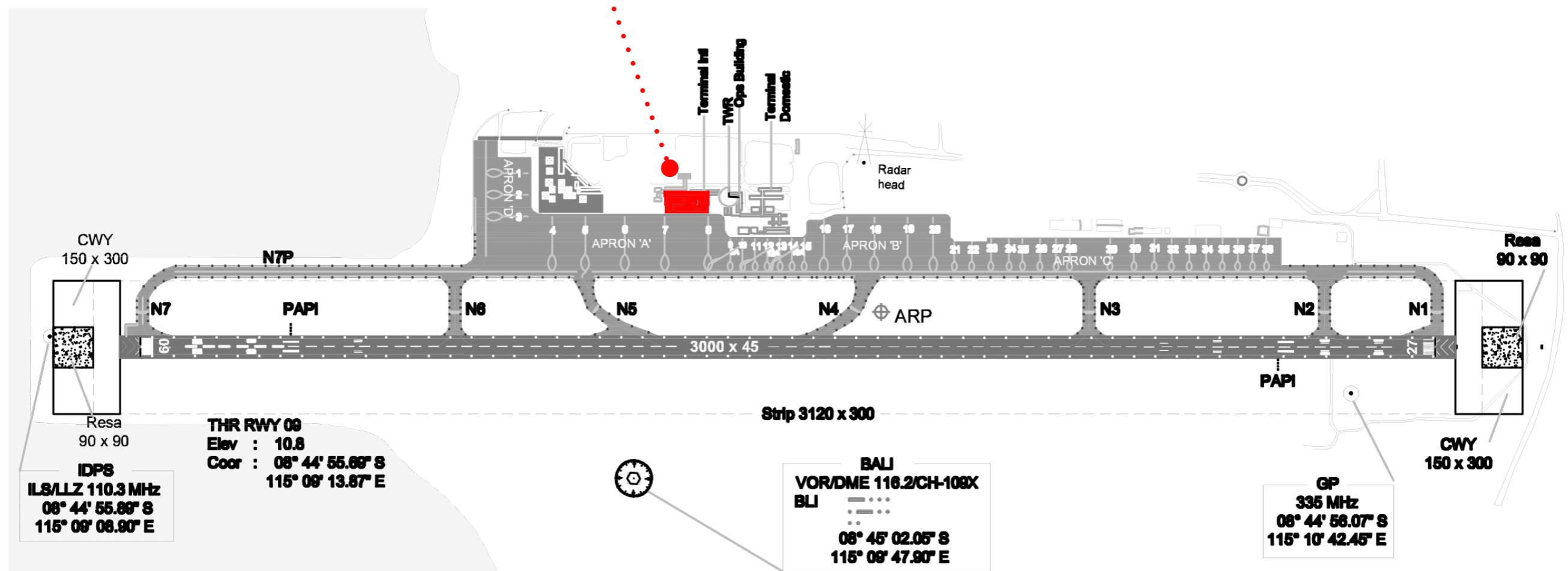
NFTF



# NGURAH RAI INTERNATIONAL AIRPORT, BALI

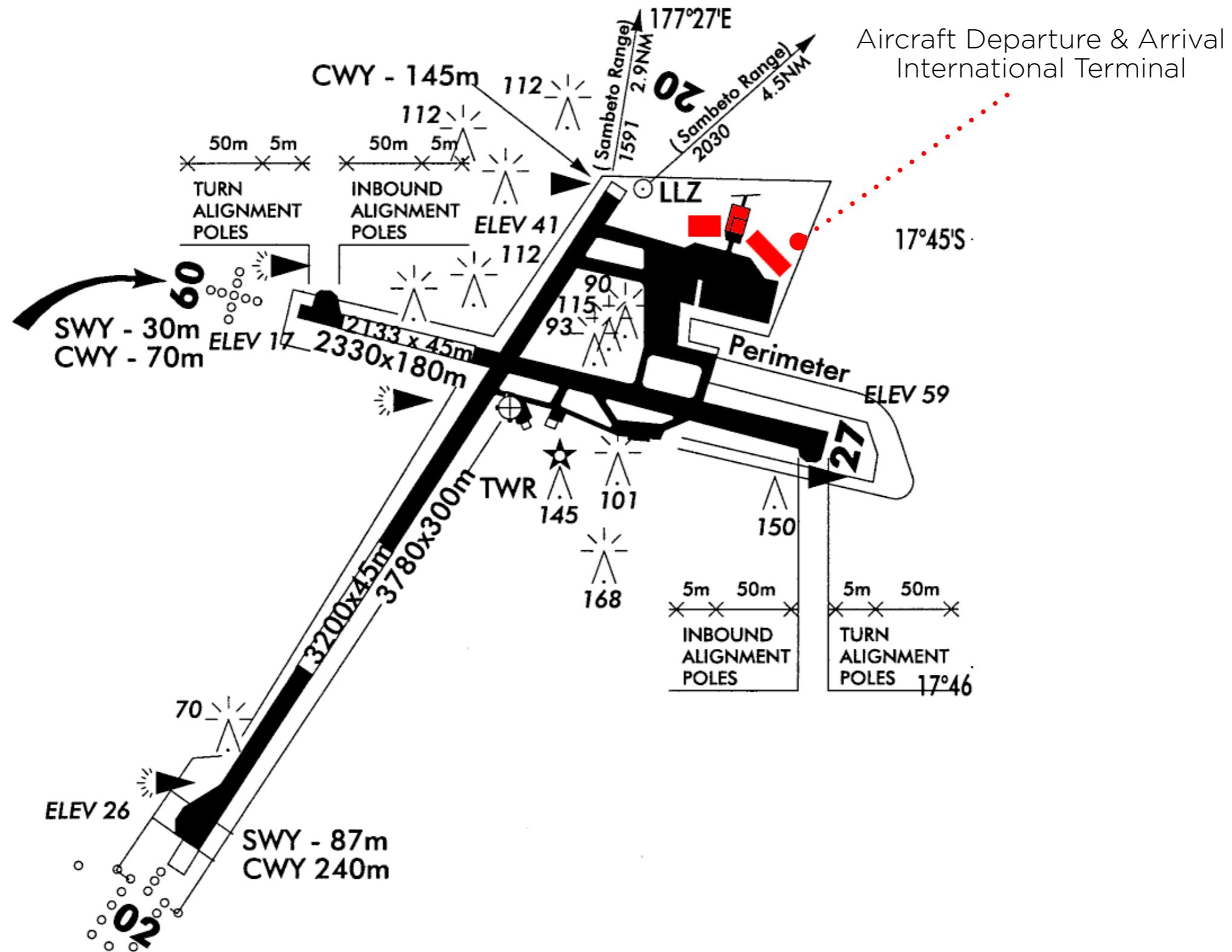
WADD

Aircraft Departure & Arrival  
Main Terminal (Gates 1-8)



# NADI INTERNATIONAL AIRPORT, FIJI

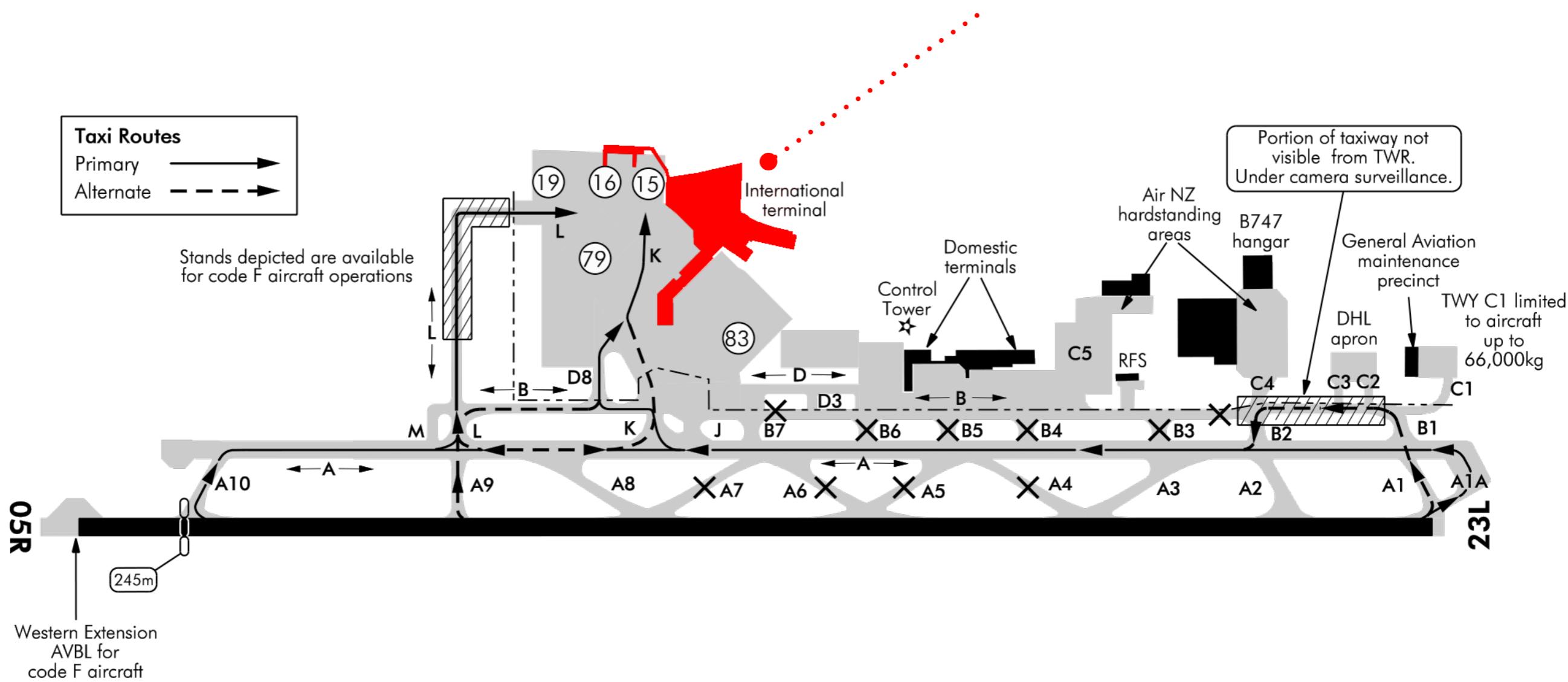
NFFN



# AUCKLAND INTERNATIONAL AIRPORT, NEW ZEALAND

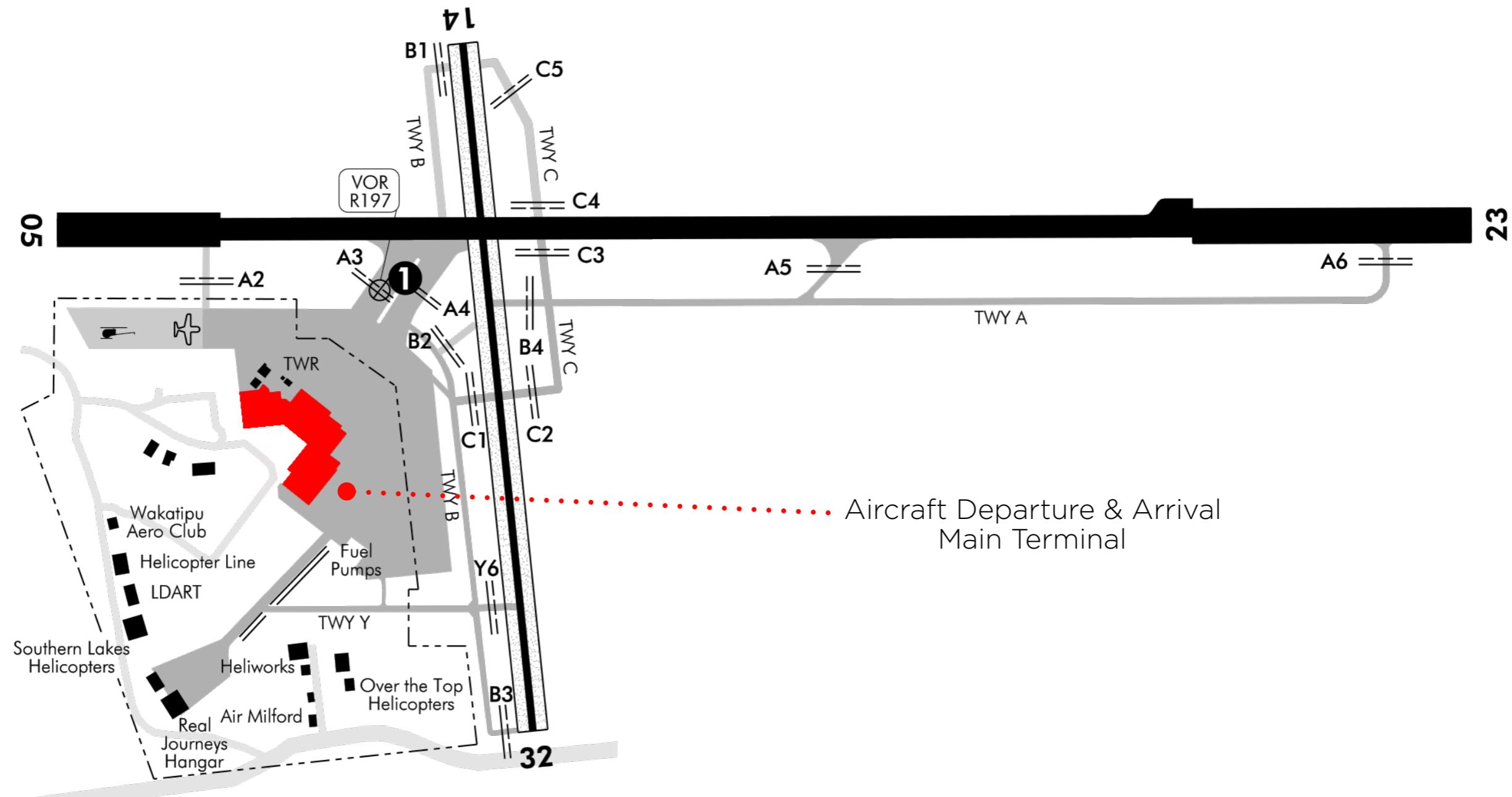
NZAA

## Aircraft Departure & Arrival International Terminal



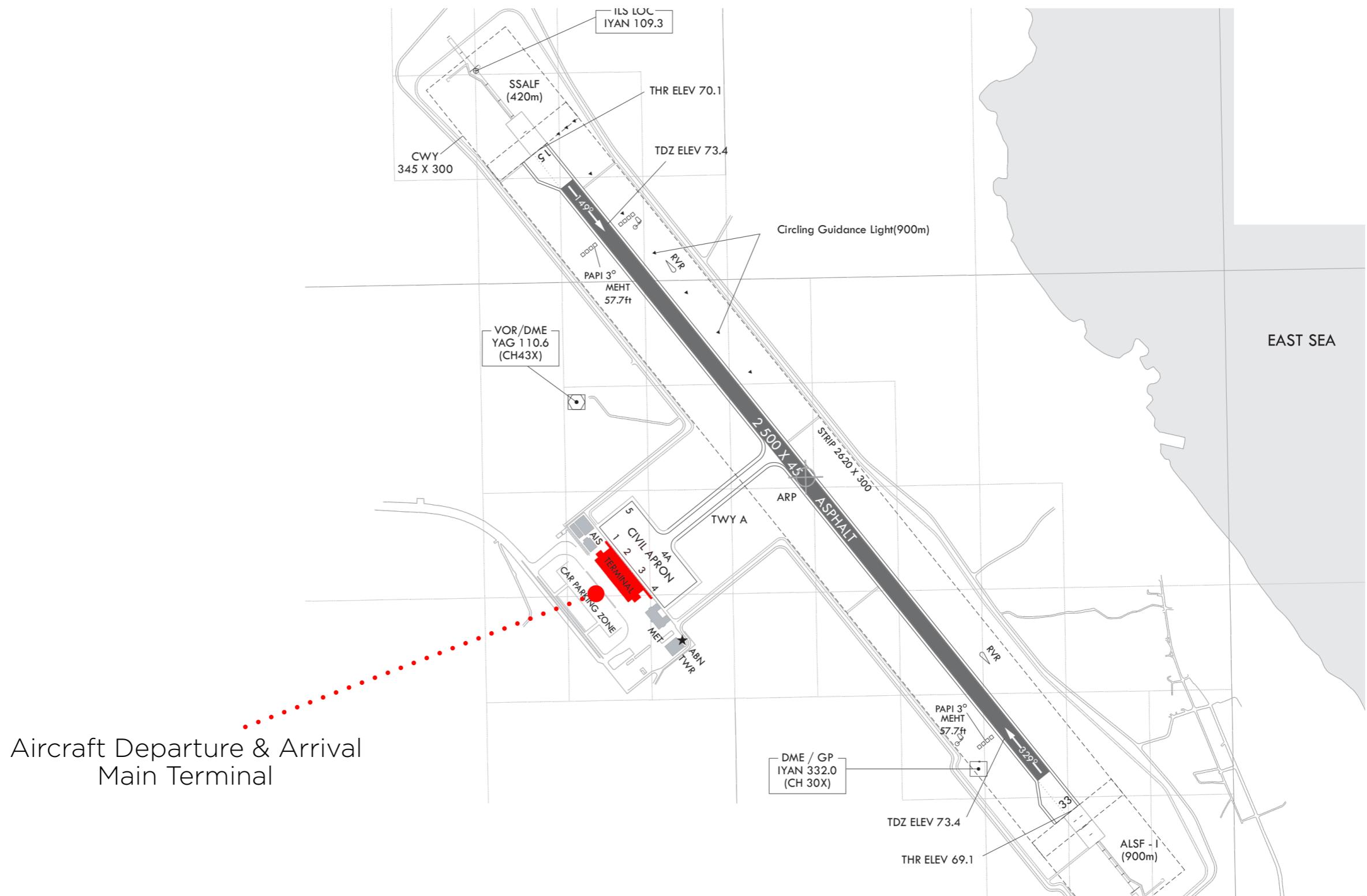
# QUEENSTOWN INTERNATIONAL AIRPORT, NEW ZEALAND

NZQN



# YANG YANG INTERNATIONAL AIRPORT, SOUTH KOREA

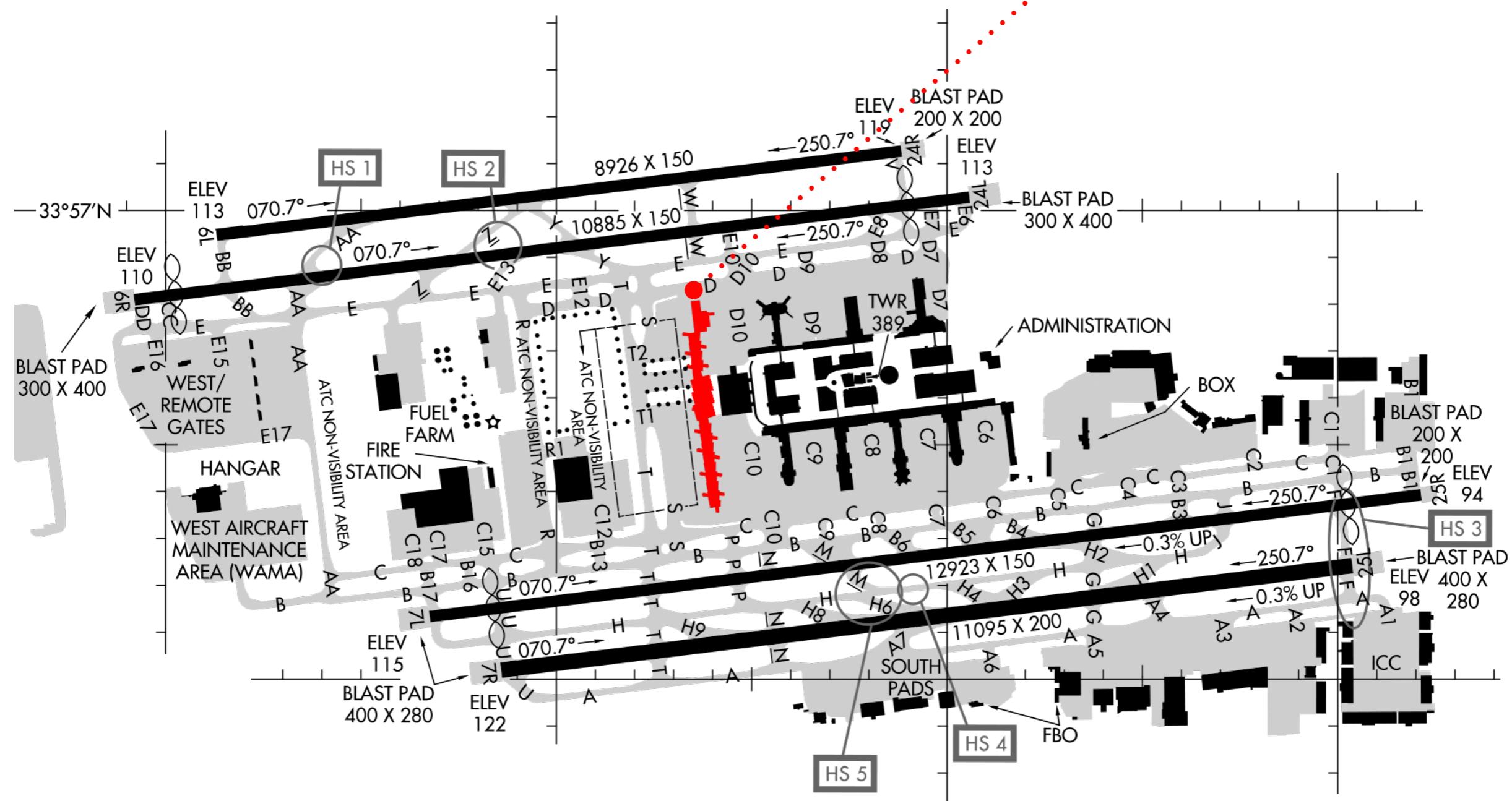
RKNY



# LOS ANGELES INTERNATIONAL AIRPORT, USA

KLAX

Aircraft Departure & Arrival  
Tom Bradley International Terminal



# VIRGIN AUSTRALIA VIRTUAL - TERMINAL QUICK GUIDE

## DOMESTIC

Cairns – Domestic Terminal  
Hervey Bay – Main Terminal  
Townsville – Main Terminal  
Sunshine Coast - Main Terminal  
Tamworth – Main Terminal  
Port Macquarie – Main Terminal  
Melbourne – Terminal 3  
Uluru – Main Terminal  
Canberra – Main Terminal  
Adelaide – International Terminal  
Brisbane – Domestic Terminal & International Terminal  
Sydney – Domestic Terminal 2 & International Terminal 1  
Great Barrier Reef / Hamilton Island – Main Terminal  
Albury – Main Terminal  
Gold Coast – Main Terminal  
Darwin – Domestic Terminal  
Coffs Harbour – Main Terminal  
Ballina Byron Gateway – Main Terminal  
Perth – Terminal 1 (Domestic)  
Launceston - Terminal  
Kalgoorlie-Boulder – Terminal Building  
East Kimberley – Terminal Building  
Boolgeeda – Terminal Building  
Broome – Terminal Building.  
Port Hedland – Terminal Building  
Newman – Terminal Building (Gates 3&4)  
Onslow – Main Terminal  
Karratha – Main Terminal  
Coondewanna – Main Terminal  
Geraldton – Terminal Building  
Argyle – Terminal Building  
Mildura – Main Terminal  
Hobart – Main Terminal – Gates 2-5

## INTERNATIONAL

Fua‘amotu International, Tonga – Main Terminal  
Ngurah Rai, Bali – Main Terminal Gates 1-8  
Nadi, Fiji – International Terminal  
Auckland, NZ – International Terminal  
Queenstown NZ – Main Terminal  
Yang Yang, South Korea – Main Terminal  
Los Angeles, USA – Tom Bradley International Terminal



## AIRCRAFT OPERATING GUIDES





## AIRCRAFT PERFORMANCE & PARAMETERS

## BOMBARDIER DASH Q400-8

MTOW: 15,650kg (34,502lb)

MLW: 15650kg (34,502lb)

Max Ceiling: 27,000ft

Cruise Speed IAS/Mach

Mach 0.65-69

(306mph/268kts)

Range: 821nmi

Rotate Speed: 130kts

Auto Throttle Speed : 200KIAS

Do NOT Exceed 250KIAS under FL1000.

Approach:KIAS: 140kts

ROD: 800 ft/min

Landing Speed : (IAS): 110-120 kts



livery



## AIRCRAFT PERFORMANCE & PARAMETERS

EMBRAER ER-195

MTOW: 50,790kg (111,973lb)

MLW: 45,000kg (99,208lb)

VMO/MMO Velocity/Mach

Max Operating Speed: Mach 0.82  
(624mph/ 542kts)

Max Ceiling: 41,000ft

Cruise Speed IAS/Mach

Mach 0.78  
(541mph/470kts)

Range: 2,200nmi

Rotate Speed: 120-135kts

Auto Throttle Speed : 200KIAS

Do NOT Exceed 250KIAS under FL 100.

Approach:KIAS: 160kts

ROD: 800 ft/min

Landing Speed : (IAS): 110-120 kts



livery