

# CHICAGO O'HARE INTERNATIONAL AIRPORT



## ADVANCED AIRFIELD FAMILIARIZATION MANUAL

### GRAPHICS SUPPLEMENT



14 CFR PART 139.329

PREPARED BY  
CITY OF CHICAGO  
DEPARTMENT OF AVIATION  
AIRFIELD OPERATIONS

Revision  
2024-12-26

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## **INTRODUCTION**

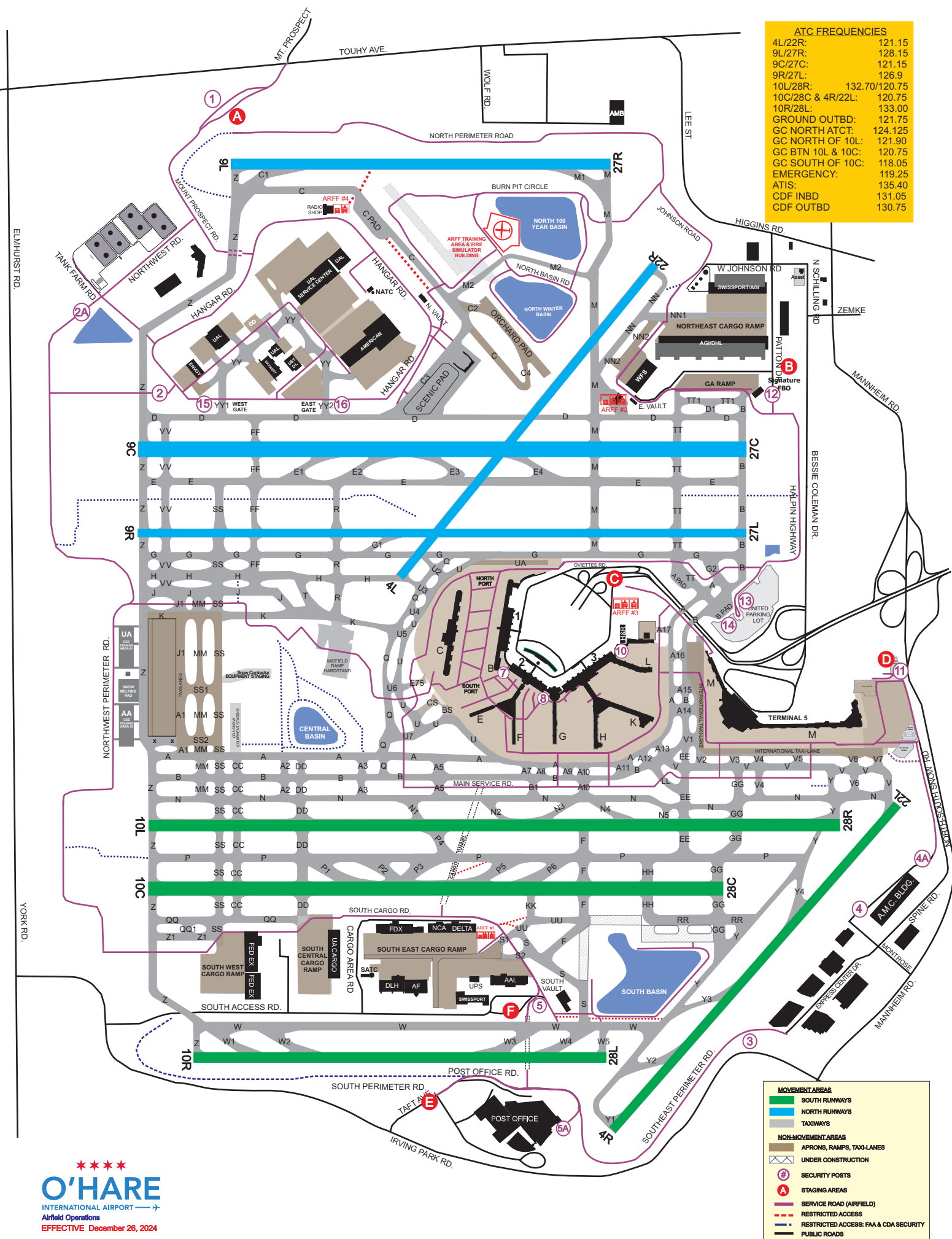
The Advanced Airfield Familiarization Manual was developed by the City of Chicago, Department of Aviation, Airport Airfield Operations Section (AAO). Its purpose is to implement training requirements mandated by 14 CFR 139.329, and to review important safety information relating to personnel who operate vehicles, equipment, and taxi aircraft in the movement area - runways, taxiways, and surrounding surfaces. This graphics supplement was created to accompany the Advanced Airfield Familiarization Manual. All graphics that pertain to the aircraft movement area will now be located in this supplement. The reason for this division is so the Advanced Airfield Familiarization Manual only has to be updated when content has been changed, added, or removed – instead of when taxiway or runway nomenclature has been changed.

## Summary of Changes

<b>Revision 201708/01</b>	1. Content Addition – Summary of Changes 2. Content Replacement – Graphic 2, 3, & 4 (Pp 7-9) with ORD Critical Areas (Pg 7)
<b>Revision 201710/01</b>	1. Content Replacement – ORD Critical Areas (Pg 7) with Graphics 1 - 4
<b>Revision 201803/01</b>	1. Content Addition – Gate Frequency Map 2. Content Replacement – Update for March 29, 2018 Change Over
<b>Revision 201807/01</b>	1. Content Replacement – Update for Jul 19, 2018 Change Over
<b>Revision 201809/01</b>	1. Content Replacement – Update for Sep 13, 2018 Change Over 2. Content Addition – ORD Critical Areas
<b>Revision 201811/01</b>	1. Content Replacement – Update for Nov 08, 2018 Change Over
<b>Revision 201901/01</b>	1. Content Replacement – Update for Jan 03, 2019 Change Over
<b>Revision 201904/01</b>	1. Content Replacement – Update for Apr 25, 2019 Change Over
<b>Revision 201906/01</b>	1. Content Replacement – Update for Jun 20, 2019 Change Over
<b>Revision 201908/01</b>	1. Content Replacement – Update for Aug 15, 2019 Change Over
<b>Revision 201910/01</b>	1. Content Replacement – Update for Oct 10, 2019 Change Over
<b>Revision 201912/01</b>	1. Content Replacement – Update for Dec 05, 2019 Change Over
<b>Revision 202001/01</b>	1. Content Replacement – Update for Jan 30, 2020 Change Over
<b>Revision 202003/01</b>	1. Content Replacement – Update for Mar 26, 2020 Change Over
<b>Revision 202005/01</b>	1. Content Replacement – Update for May 21, 2020 Change Over
<b>Revision 202007/01</b>	1. Content Replacement – Update for July 16, 2020 Change Over
<b>Revision 202009/01</b>	1. Content Replacement – Update for Sept 10, 2020 Change Over
<b>Revision 202011/01</b>	1. Content Replacement – Update for Nov 05, 2020 Change Over
<b>Revision 202012/31</b>	1. Content Replacement – Update for Dec 31, 2020 Change Over
<b>Revision 202102/01</b>	1. Content Replacement – Update for Feb 25, 2021 Change Over
<b>Revision 202104/01</b>	1. Content Replacement – Update for Apr 22, 2021 Change Over
<b>Revision 202108/01</b>	1. Content Replacement – Update for Aug 12, 2021 Change Over
<b>Revision 202110/01</b>	1. Content Replacement – Update for Oct 07, 2021 Change Over
<b>Revision 202112/01</b>	1. Content Replacement – Update for Dec 02, 2021 Change Over

<b>Revision 202201/01</b>	1. Content Replacement – Update for Jan 27, 2022 Change Over
<b>Revision 202205/01</b>	1. Content Replacement – Update for May 19, 2022 Change Over
<b>Revision 202209/01</b>	1. Content Replacement – Update for September 08, 2022 Change Over
<b>Revision 202211/01</b>	1. Content Replacement – Update for November 03, 2022 Change Over
<b>Revision 202212/01</b>	1. Content Replacement – Update for December 29, 2022 Change Over
<b>Revision 202212/02</b>	1. Content Replacement – Terminal Gate Frequencies
<b>Revision 202304/01</b>	1. Content Replacement – Update for April 20, 2023 Airfield Changes
<b>Revision 202306/01</b>	1. Content Replacement – Update for June 15, 2023 Airfield Changes
<b>Revision 202308/01</b>	1. Content Replacement – Update for August 10, 2023 Airfield Changes
<b>Revision 202310/01</b>	1. Content Replacement – Update for October 05, 2023 Airfield Changes
<b>Revision 202311/01</b>	1. Content Replacement – Update for November 30, 2023 Airfield Changes
<b>Revision 2024-01-25</b>	1. Content Replacement – Update for January 25, 2024 Airfield Changes
<b>Revision 2024-05-16</b>	1. Content Replacement – Update for May 16, 2024 Airfield Changes
<b>Revision 2024-07-11</b>	1. Content Replacement – Update for July 11, 2024 Airfield Changes
<b>Revision 2024-09-05</b>	1. Content Replacement – Update for September 05, 2024 Airfield Changes
<b>Revision 2024-10-31</b>	1. Content Replacement – Update for October 31, 2024 Airfield Changes
<b>Revision 2024-12-26</b>	1. Content Replacement – Update for December 26, 2024 Airfield Changes

ATC FREQUENCIES	
4L/22R:	121.15
9L/27R:	128.15
9C/27C:	121.15
9R/27L:	126.9
10L/28R:	132.70/120.75
10C/28C & 4R/22L:	120.75
10R/28L:	133.00
GROUND OUTBD:	121.75
GC NORTH ATCT:	124.125
GC NORTH OF 10L:	121.90
GC BTN 10L & 10C:	120.75
GC SOUTH OF 10C:	118.05
EMERGENCY:	119.25
ATIS:	135.40
CDF INBD:	131.05
CDF OUTBD:	130.75



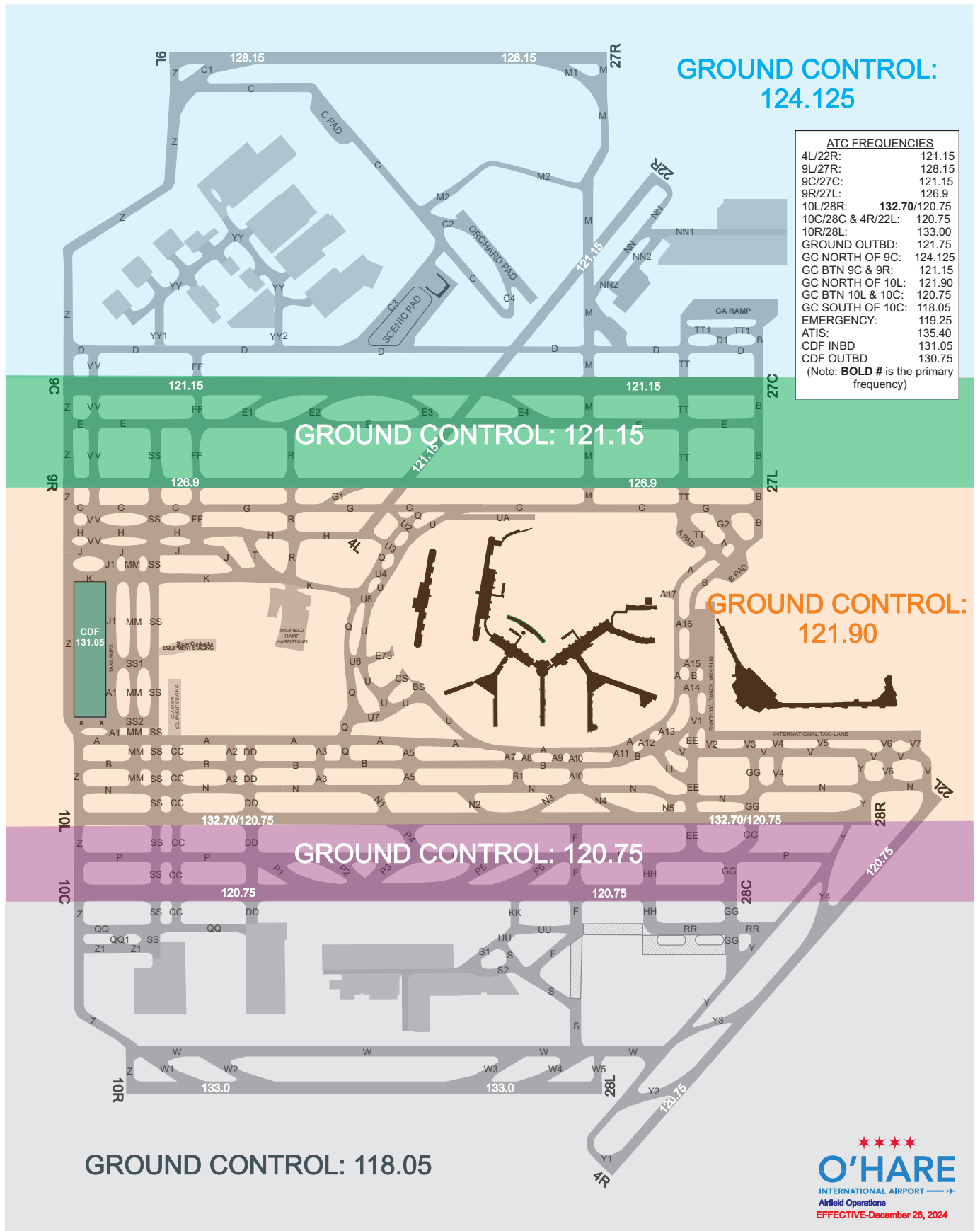
**MOVEMENT AREAS**

- SOUTH RUNWAYS
- NORTH RUNWAYS
- TAXIWAYS

**NON-MOVEMENT AREAS**

- APRONS, RAMPS, TAXI-LANES
- UNDER CONSTRUCTION
- SECURITY POSTS
- STAGING AREAS
- SERVICE ROAD (AIRFIELD)
- RESTRICTED ACCESS
- RESTRICTED ACCESS: FAA & CDA SECURITY
- PUBLIC ROADS

# ORD FREQUENCY AREA MAP



# Vehicles with Transponder Only

## NORTH AIRFIELD PROCEDURES

- ALL VEHICLES MUST HAVE AN OPERATING TRANSPONDER TO DRIVE ON RWY 9L/27R AND TWYS C AND C1, IF THAT RUNWAY AND THOSE TAXIWAYS ARE OPEN, NO EXCEPTIONS.
- THE ONLY WAY AROUND THIS IS IF RWY 9L/27R AND TWYS C, AND C1 ARE CLOSED
- IF THERE IS A NEED TO GO ONTO RUNWAY 9L/27R AND/OR TAXIWAY C, C1:  
**YOU MUST CALL OPERATIONS TO FORMALLY CLOSE THIS PAVEMENT**

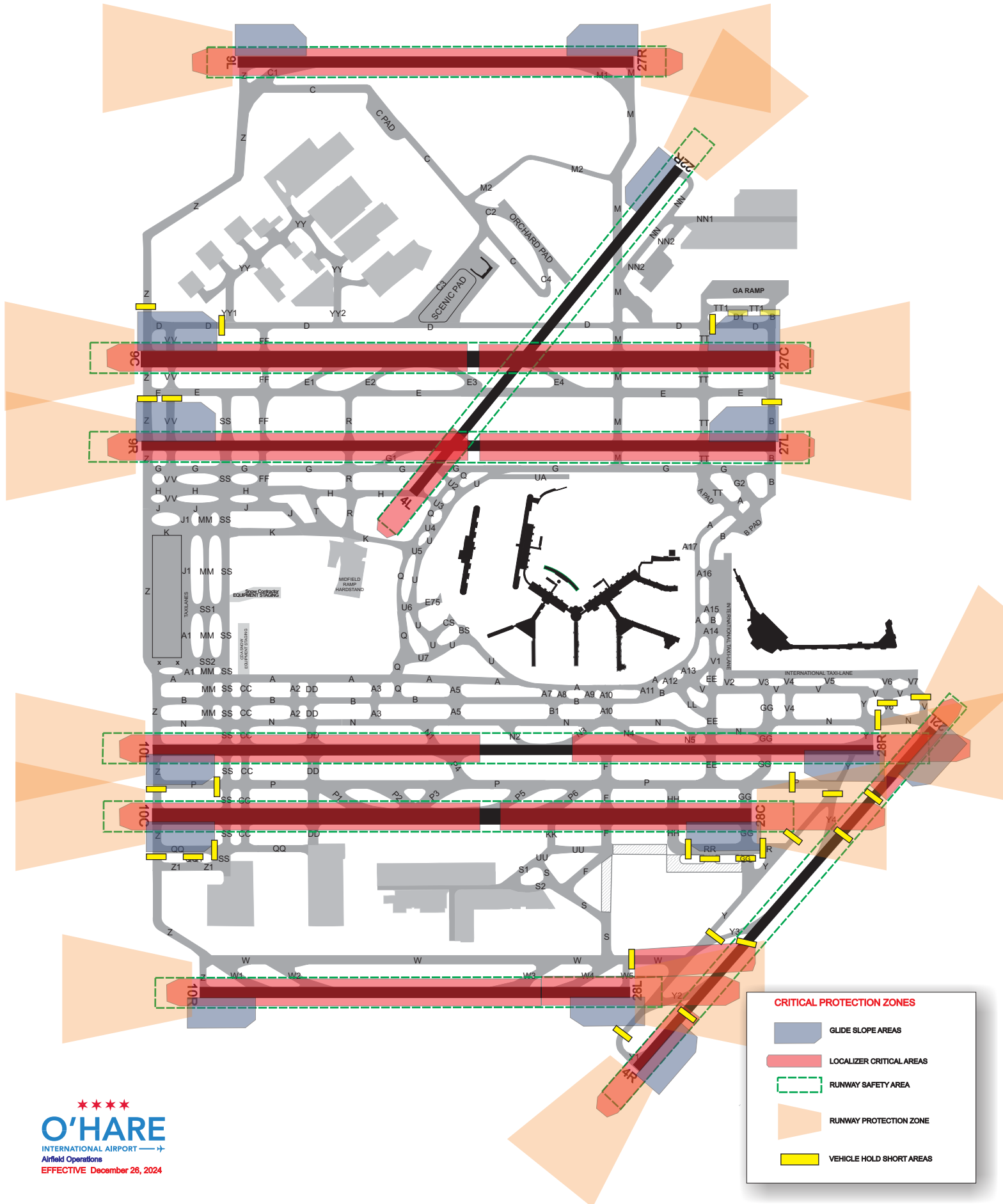



## SOUTH AIRFIELD PROCEDURES

- ALL VEHICLES MUST HAVE AN OPERATING TRANSPONDER TO DRIVE ON RWY 10R/28L WHEN THAT RUNWAY IS OPEN, NO EXCEPTIONS.
- THE ONLY WAY AROUND THIS IS IF RWY 10R/28L IS CLOSED
- IF THERE IS A NEED TO GO ONTO RUNWAY 10R/28L:  
**YOU MUST CALL OPERATIONS TO FORMALLY CLOSE THIS PAVEMENT**



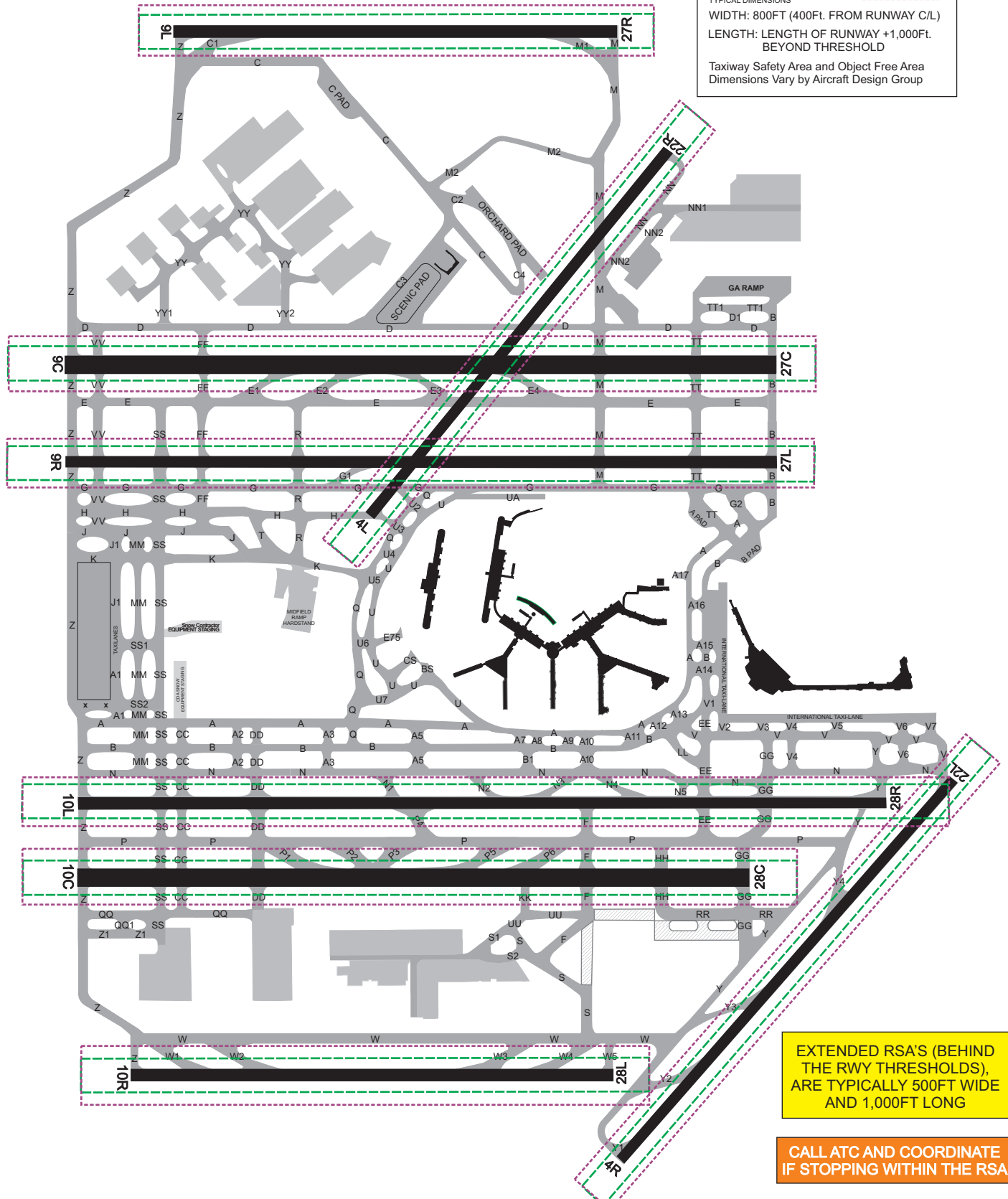
# CRITICAL AREAS

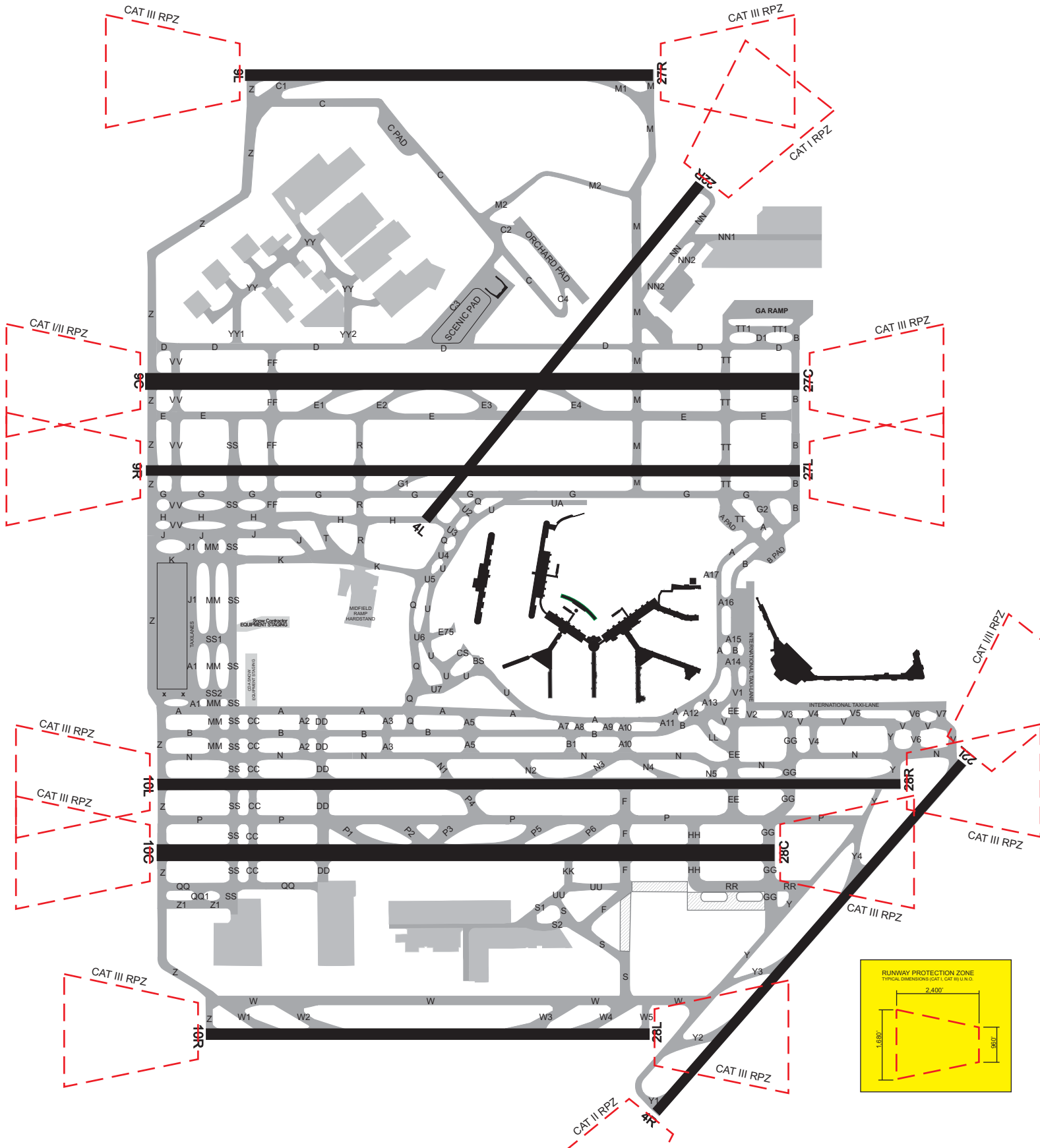


**RUNWAY SAFETY AREAS**   
 TYPICAL DIMENSIONS  
 WIDTH: 500FT (250FT FROM RUNWAY C/L)  
 LENGTH: LENGTH OF RUNWAY +1,000FT.  
 BEYOND THRESHOLD

**OBJECT FREE AREA**   
 TYPICAL DIMENSIONS  
 WIDTH: 800FT (400FT FROM RUNWAY C/L)  
 LENGTH: LENGTH OF RUNWAY +1,000FT.  
 BEYOND THRESHOLD

Taxiway Safety Area and Object Free Area  
 Dimensions Vary by Aircraft Design Group

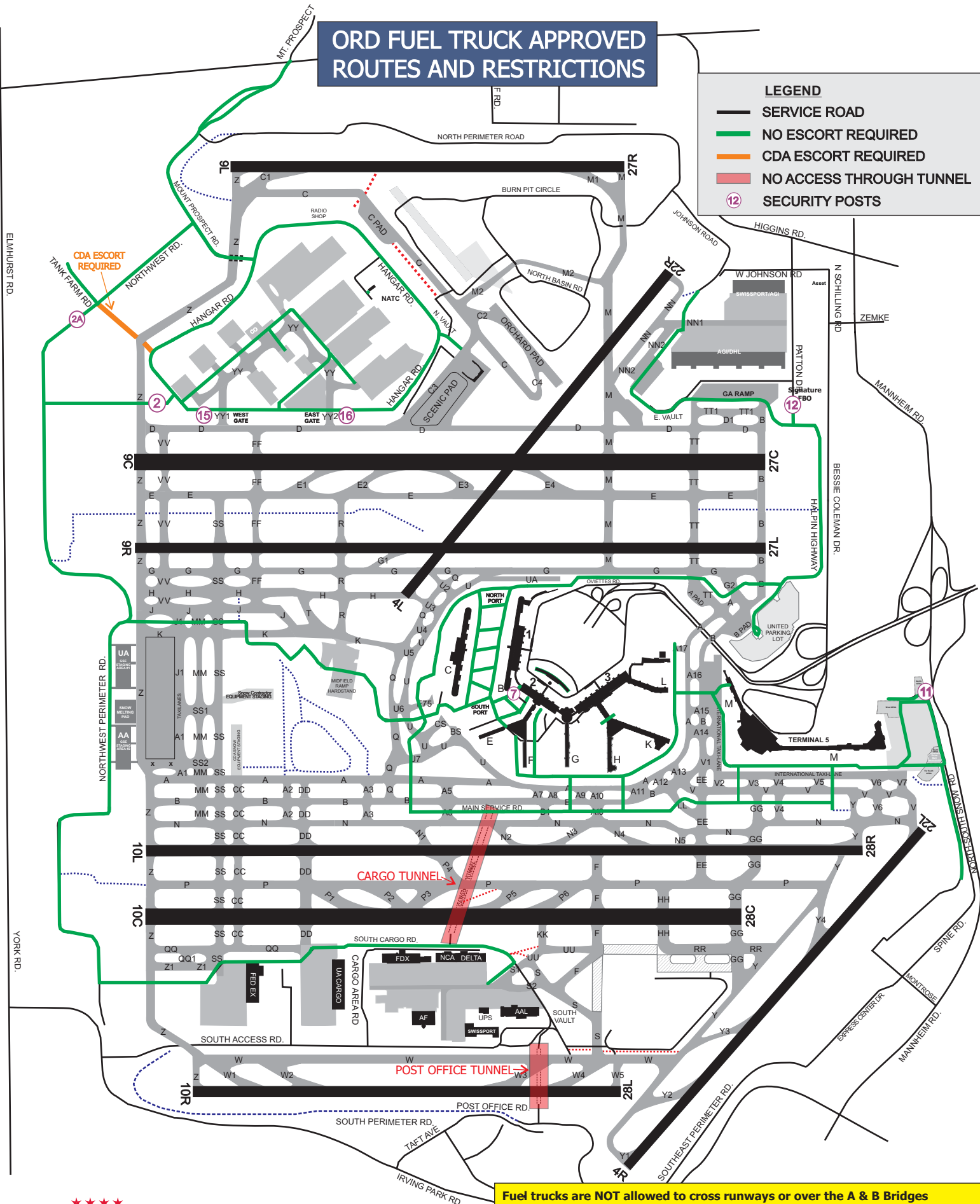




# ORD FUEL TRUCK APPROVED ROUTES AND RESTRICTIONS

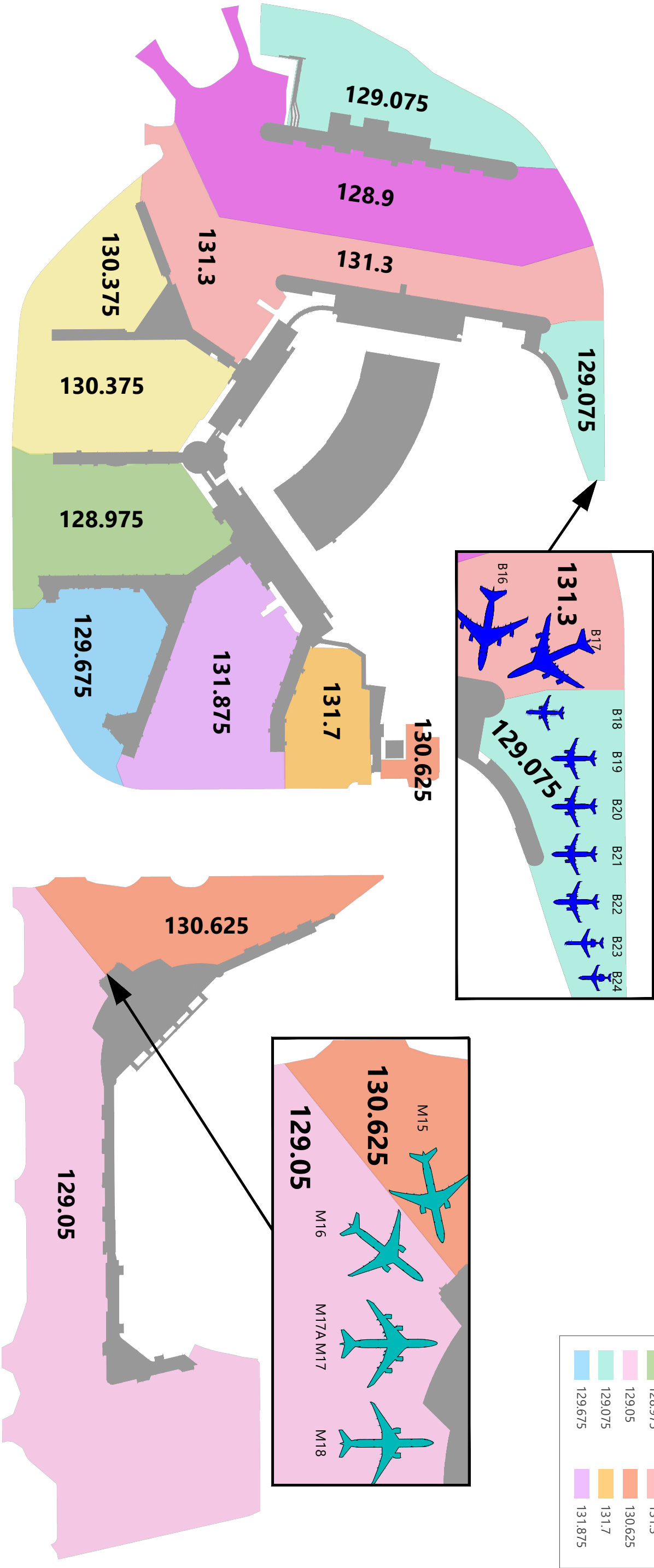
## LEGEND

- SERVICE ROAD
- NO ESCORT REQUIRED
- CDA ESCORT REQUIRED
- NO ACCESS THROUGH TUNNEL
- 12 SECURITY POSTS



Fuel trucks are NOT allowed to cross runways or over the A & B Bridges  
 Fuel trucks are NOT allowed through the following tunnels: cargo tunnel (under Rwy 10L/28R & 10C/28C), Post office tunnel (under Rwy 10R/28L), tunnels under the terminals.  
 Fuel trucks NOT allowed through Sally Port Gates #42 & #43  
 Fuel trucks are allowed to drive under Taxiway Z underpasses.

# Chicago O'Hare International Airport



SOURCES: O'Hare International Airport, *Future Airport Layout Plan*, December 2022; Ricondo & Associates, Inc., December 2023 (analysis).  
PREPARED BY: Ricondo & Associates, Inc., December 2023.



Drawing: P:\PROJECTS\Chicago\20-01-1199\ORD\general planning\airside planning\Tower Frequencies\CAD\Terminal Frequencies\_2023-1218.dwg\layout: A - Terminal Area Plotted: Dec 18, 2023, 04:02PM

Chicago O'Hare International Airport

EXHIBIT 1

Terminal Gate Frequencies  
Post-January 25, 2024