

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
202201/01

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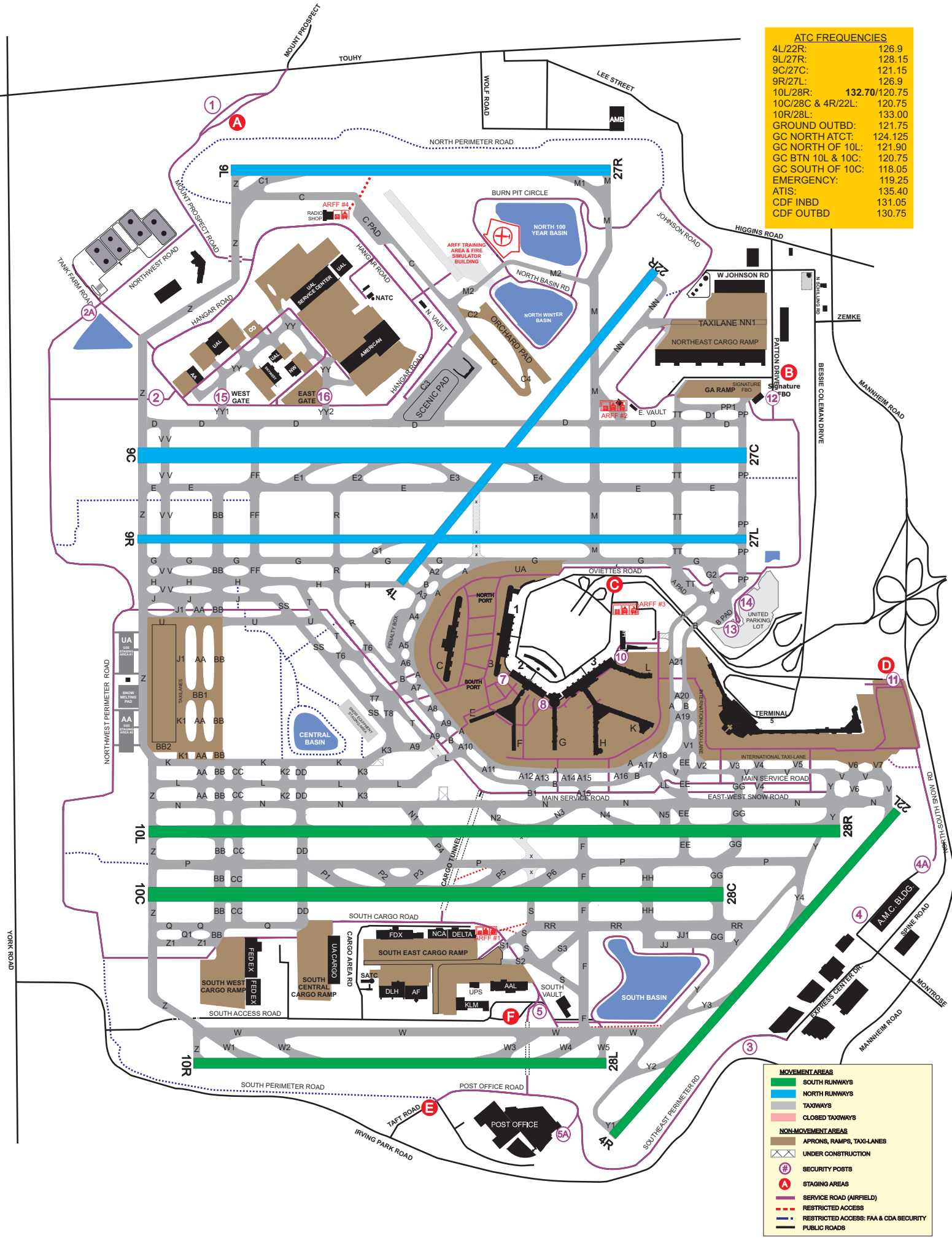
INTRODUCTION

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

Revision 201708/01	<ol style="list-style-type: none">1. Content Addition – Summary of Changes2. Content Replacement – Graphic 2, 3, & 4 (Pp 7-9) with ORD Critical Areas (Pg 7)
Revision 201710/01	<ol style="list-style-type: none">1. Content Replacement – ORD Critical Areas (Pg 7) with Graphics 1 - 4
Revision 201803/01	<ol style="list-style-type: none">1. Content Addition – Gate Frequency Map2. Content Replacement – Update for March 29, 2018 Change Over
Revision 201807/01	<ol style="list-style-type: none">1. Content Replacement – Update for Jul 19, 2018 Change Over
Revision 201809/01	<ol style="list-style-type: none">1. Content Replacement – Update for Sep 13, 2018 Change Over2. Content Addition – ORD Critical Areas
Revision 201811/01	<ol style="list-style-type: none">1. Content Replacement – Update for Nov 08, 2018 Change Over
Revision 201901/01	<ol style="list-style-type: none">1. Content Replacement – Update for Jan 03, 2019 Change Over
Revision 201904/01	<ol style="list-style-type: none">1. Content Replacement – Update for Apr 25, 2019 Change Over
Revision 201906/01	<ol style="list-style-type: none">1. Content Replacement – Update for Jun 20, 2019 Change Over
Revision 201908/01	<ol style="list-style-type: none">1. Content Replacement – Update for Aug 15, 2019 Change Over
Revision 201910/01	<ol style="list-style-type: none">1. Content Replacement – Update for Oct 10, 2019 Change Over
Revision 201912/01	<ol style="list-style-type: none">1. Content Replacement – Update for Dec 05, 2019 Change Over
Revision 202001/01	<ol style="list-style-type: none">1. Content Replacement – Update for Jan 30, 2020 Change Over
Revision 202003/01	<ol style="list-style-type: none">1. Content Replacement – Update for Mar 26, 2020 Change Over
Revision 202005/01	<ol style="list-style-type: none">1. Content Replacement – Update for May 21, 2020 Change Over
Revision 202007/01	<ol style="list-style-type: none">1. Content Replacement – Update for July 16, 2020 Change Over
Revision 202009/01	<ol style="list-style-type: none">1. Content Replacement – Update for Sept 10, 2020 Change Over
Revision 202011/01	<ol style="list-style-type: none">1. Content Replacement – Update for Nov 05, 2020 Change Over
Revision 202012/31	<ol style="list-style-type: none">1. Content Replacement – Update for Dec 31, 2020 Change Over
Revision 202102/01	<ol style="list-style-type: none">1. Content Replacement – Update for Feb 25, 2021 Change Over
Revision 202104/01	<ol style="list-style-type: none">1. Content Replacement – Update for Apr 22, 2021 Change Over
Revision 202108/01	<ol style="list-style-type: none">1. Content Replacement – Update for Aug 12, 2021 Change Over
Revision 202110/01	<ol style="list-style-type: none">1. Content Replacement – Update for Oct 07, 2021 Change Over
Revision 202112/01	<ol style="list-style-type: none">1. Content Replacement – Update for Dec 02, 2021 Change Over

ATC FREQUENCIES	
4L/22R:	126.9
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



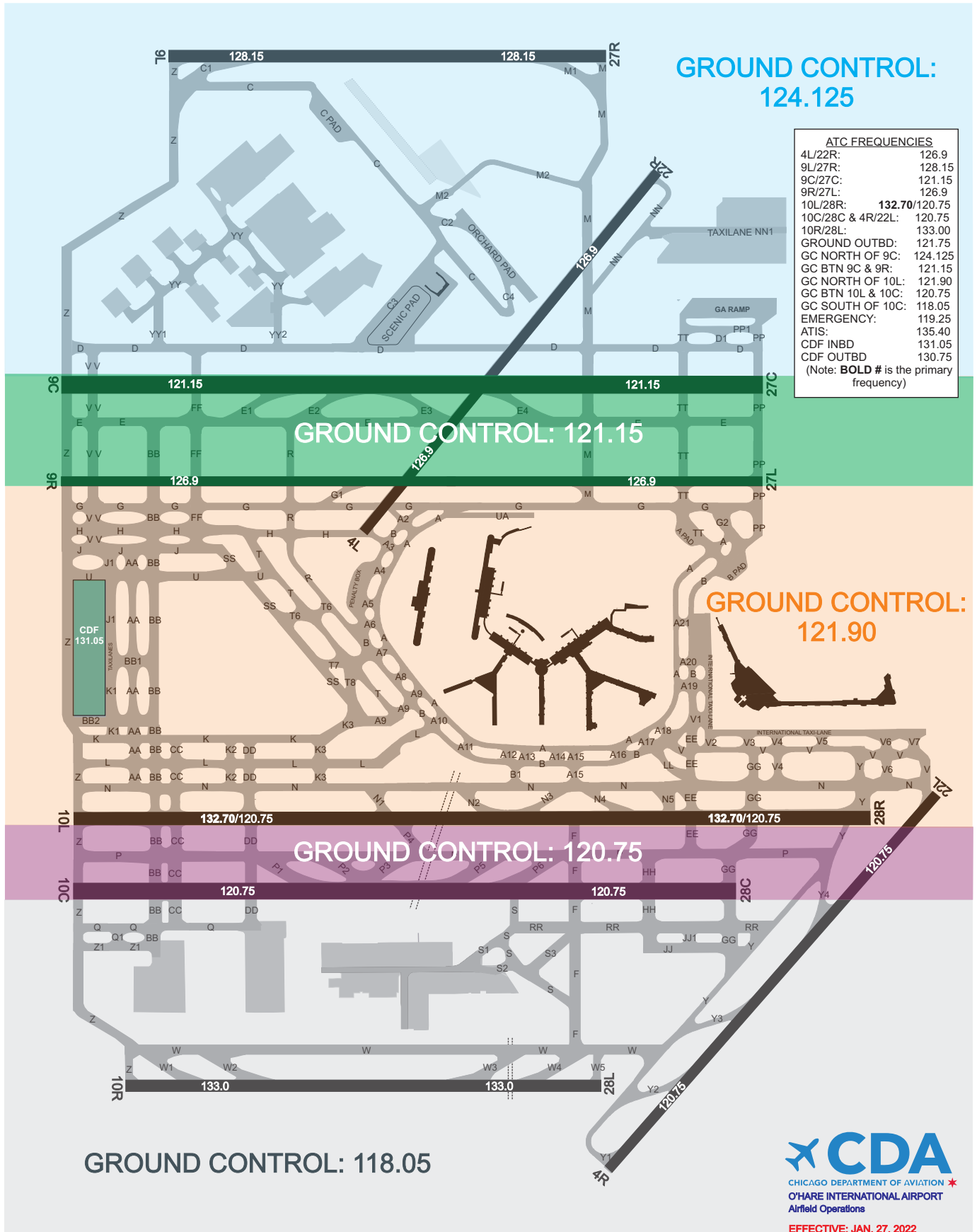
MOVEMENT AREAS

- █ SOUTH RUNWAYS
- █ NORTH RUNWAYS
- █ TAXWAYS
- █ CLOSED TAXWAYS

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

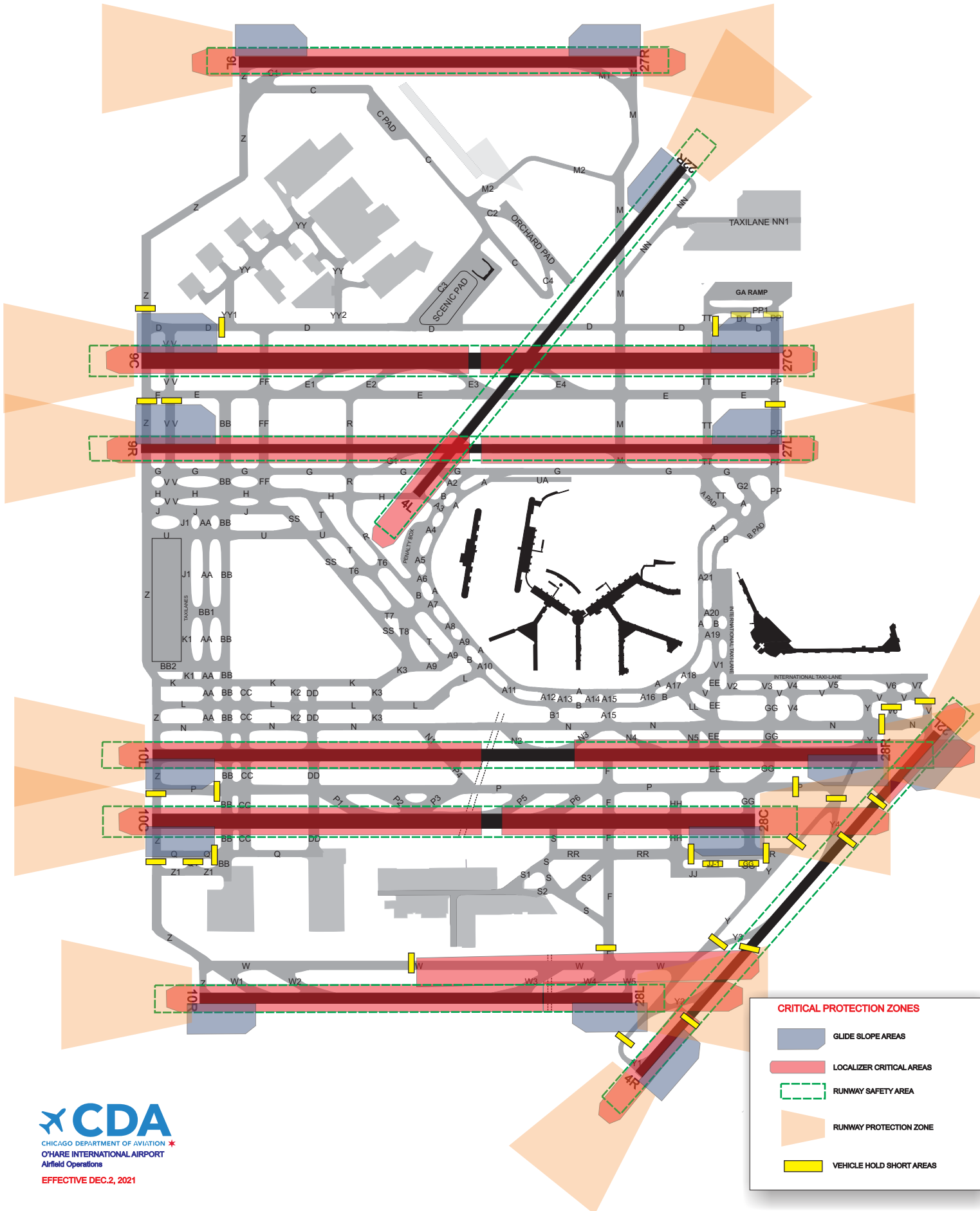
- ALL VEHICLES MUST HAVE AN OPERATING TRANSPONDER TO DRIVE ON RWY 9L/27R AND TWYS C AND C1, IF THAT RUNWAY AND THOSE TAXIWAYS ARE OPEN, NO EXCEPTIONS.
- THE ONLY WAY AROUND THIS IS IF RWY 9L/27R AND TWYS C, AND C1 ARE CLOSED
- IF THERE IS A NEED TO GO ONTO RUNWAY 9L/27R AND/OR TAXIWAY C, C1:
YOU MUST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

ORD CRITICAL AREAS

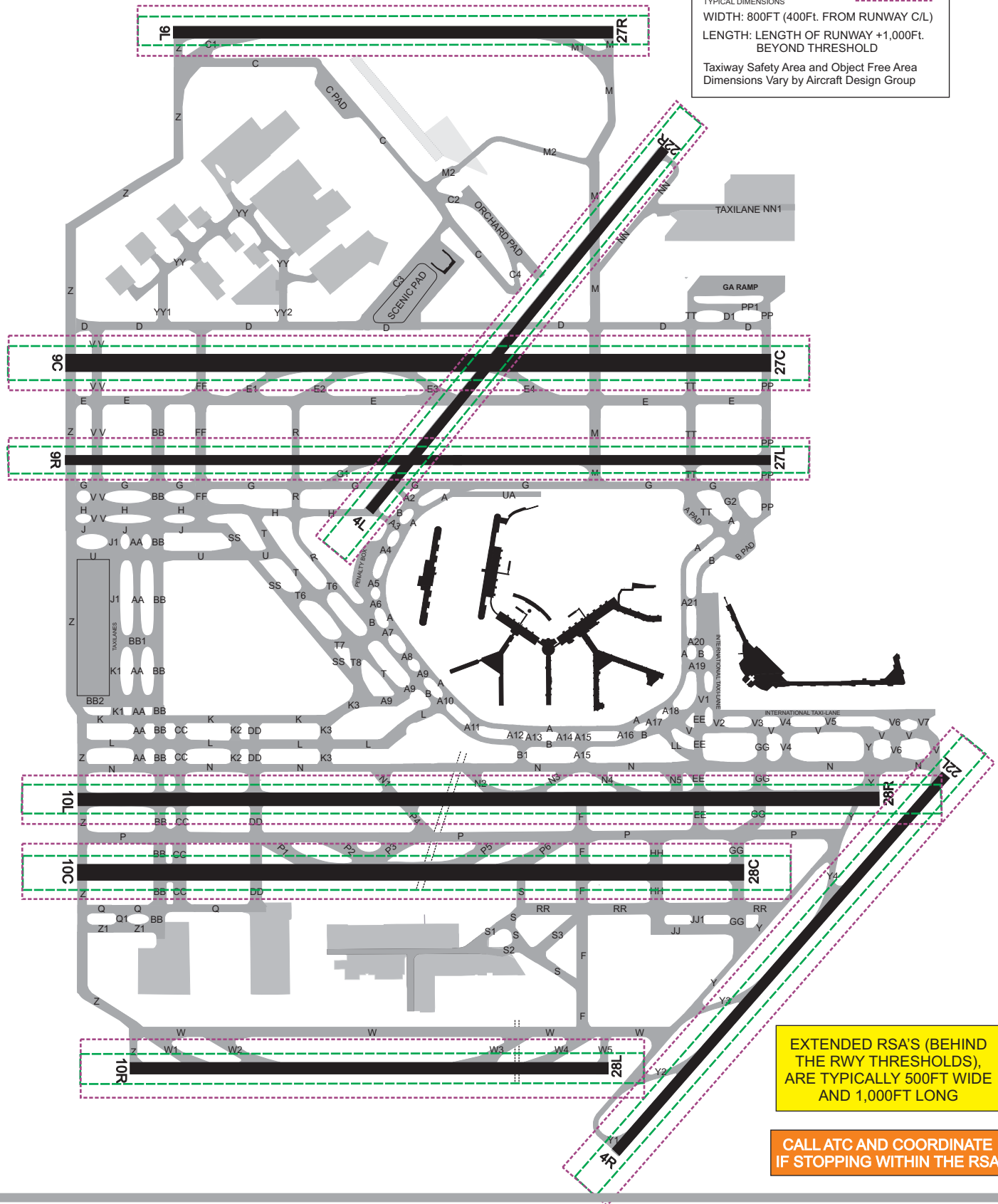


CRITICAL PROTECTION ZONES	
	GLIDE SLOPE AREAS
	LOCALIZER CRITICAL AREAS
	RUNWAY SAFETY AREA
	RUNWAY PROTECTION ZONE
	VEHICLE HOLD SHORT AREAS

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

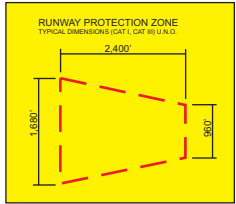
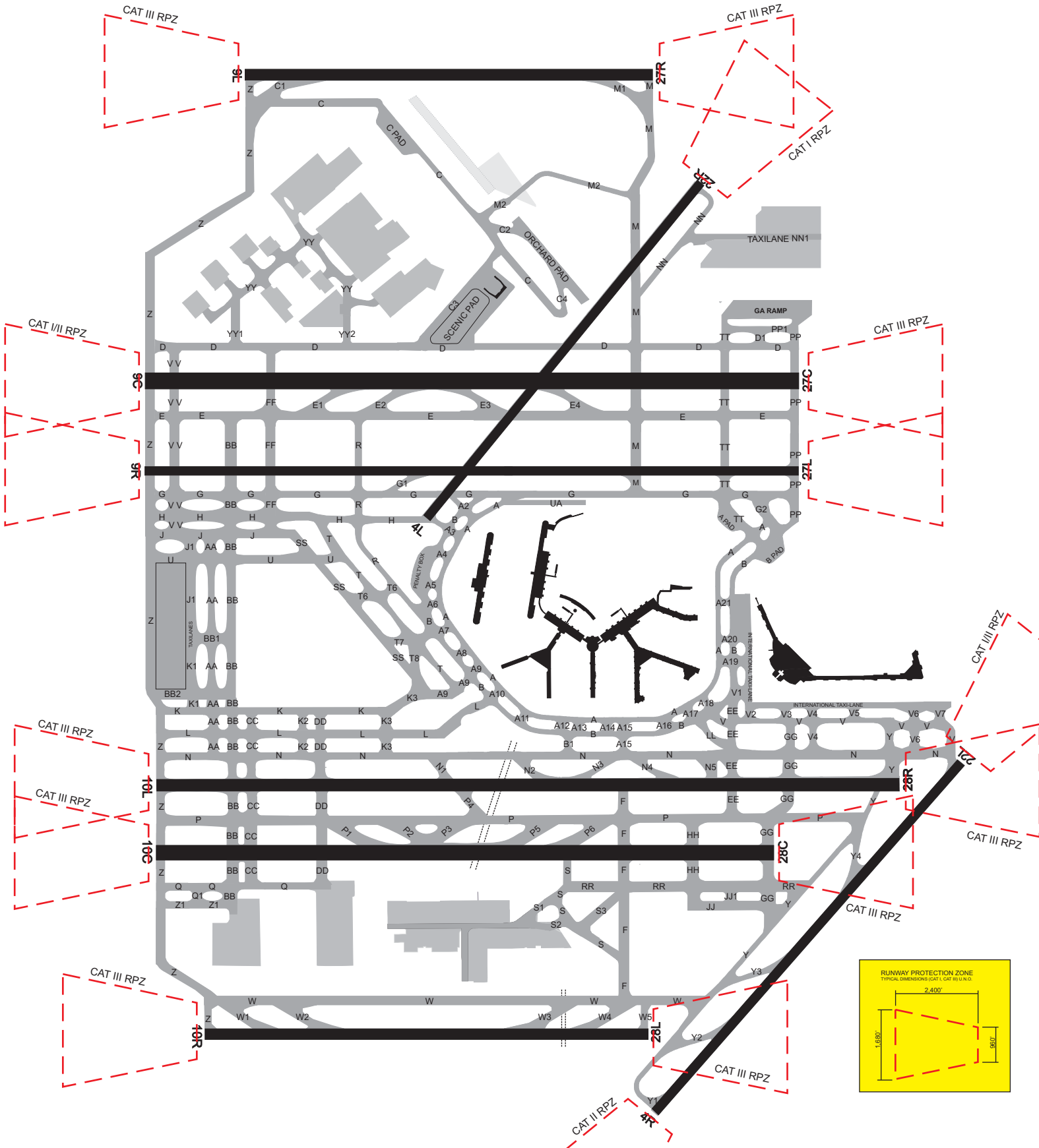
OBJECT FREE AREA
 TYPICAL DIMENSIONS
 WIDTH: 800FT (400FT FROM RUNWAY C/L)
 LENGTH: LENGTH OF RUNWAY +1,000FT.
 BEYOND THRESHOLD

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








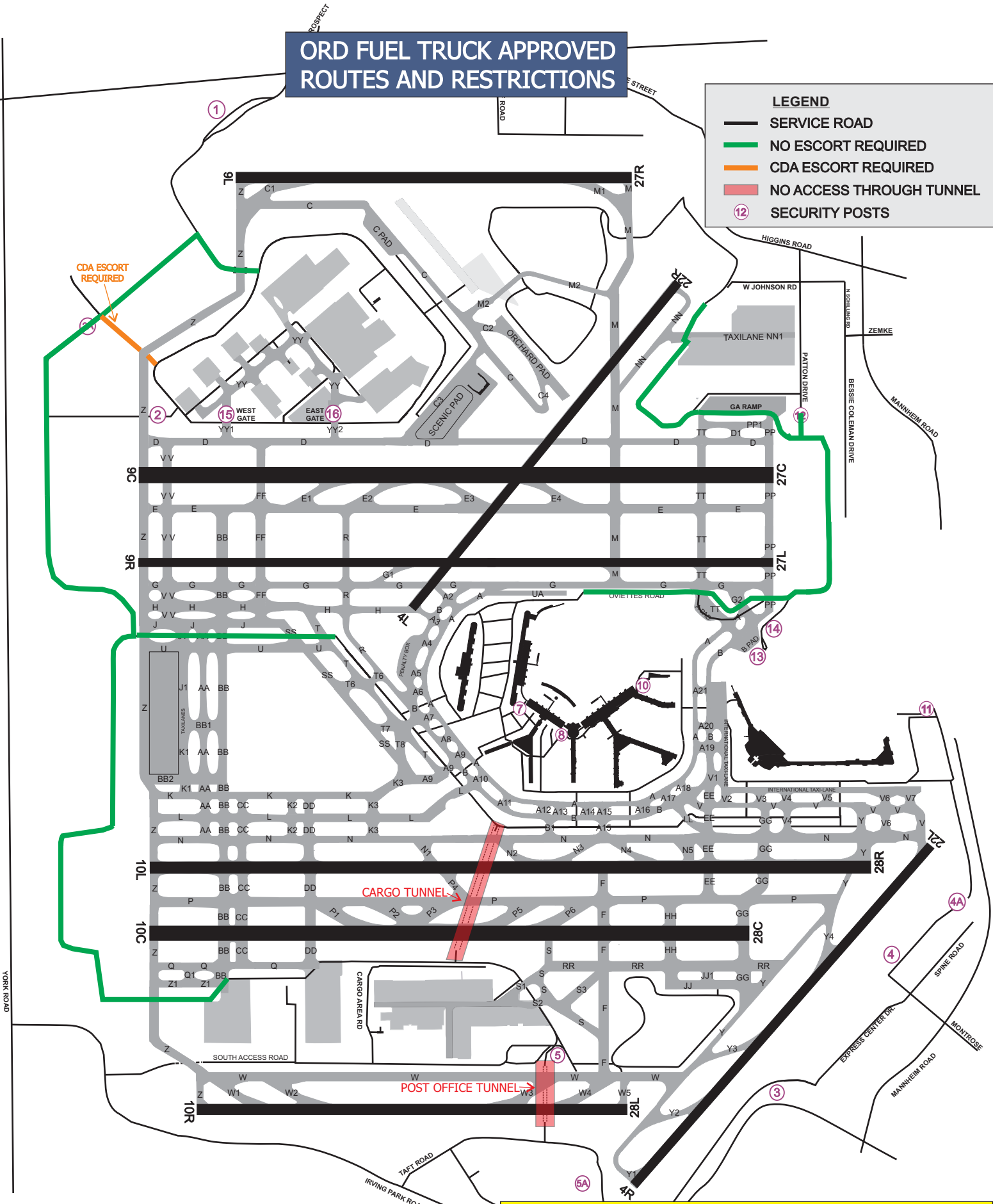
EXTENDED RSA'S (BEHIND THE RWY THRESHOLDS), ARE TYPICALLY 500FT WIDE AND 1,000FT LONG

CALL ATC AND COORDINATE IF STOPPING WITHIN THE RSA



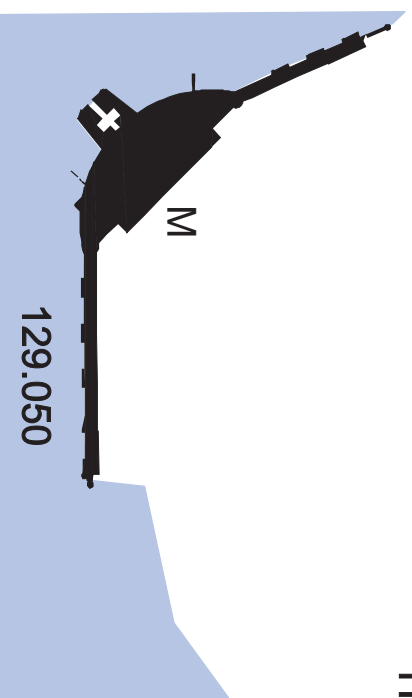
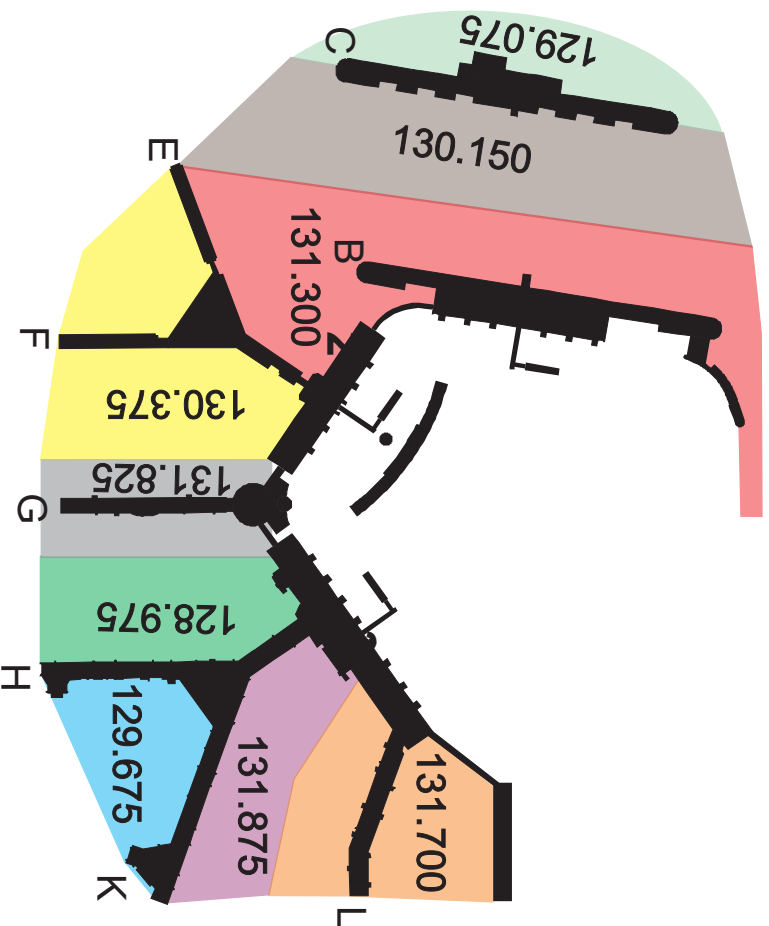
ORD FUEL TRUCK APPROVED ROUTES AND RESTRICTIONS

LEGEND	
	SERVICE ROAD
	NO ESCORT REQUIRED
	CDA ESCORT REQUIRED
	NO ACCESS THROUGH TUNNEL
	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.

ORD GATE FREQUENCIES



HELIPORT
123.025

ARINC	129.400
EMERGENCY/GUARD	121.50
FLIGHT SERVICE	122.200
O'HARE CLEARANCE	119.250
121.600	
O'HARE RAMP/METERING	121.675
O'HARE RAMP/METERING (NORTH/SOUTH)	131.300
SIGNATURE	128.925