

Airport Certification Manual

Minneapolis-St. Paul International Airport (MSP)



Chad Leque
Vice President,
Management and Operations



Metropolitan Airports Commission

Minneapolis-St. Paul International Airport

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Original Date: 12/09/04

Revision Date: 01/26/24

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 Date: Feb 02 2024

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List of Exhibits

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Exhibit 305-2 – Paved Areas Not Available to Air Carrier Operations

Exhibit 309-1 – Engineered Materials Arresting Systems (EMAS) Maintenance Program

Exhibit 311-1 – Sign Plan

Exhibit 311-2 – Preventive Maintenance Inspection Procedures for PAPIs and Generators

Exhibit 313-1 – Snow and Ice Control Plan

Exhibit 317-1 – ARFF Equipment/Personnel

Exhibit 321-1 – Fuel System Inspection Reports

Exhibit 325-1 – Airport Emergency Plan

Exhibit 327-1 – Daily Self-Inspection Forms

Exhibit 329-1 – MAC Ordinance 127

Exhibit 331-1 – Obstruction Maps

Exhibit 337-1 – Wildlife Hazard Management Plan

Exhibit 339-1 – NOTAM Information

Exhibit 400-1 – Maintenance Corrective Action Form

Exhibit 500-1 – LOA, Airport Emergency Services at Minneapolis-St. Paul International Airport (MSP)

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Exhibit 500-1 – LOA, Airport Emergency Services at Minneapolis-St. Paul International Airport (MSP)

Exhibit 500-2 – LOA, Land and Hold Short Operations (LAHSO) Procedures

Exhibit 500-3 – LOA, Movement/Non-movement Areas

Exhibit 500-4 – LOA, Runway Lighting for CAT II and III Approaches

Exhibit 500-5 – LOA, Surface Movement Guidance Control System Procedures

Exhibit 500-6 – LOA, Minneapolis Airport Traffic Control Tower Contingency Plan - Temporary Tower

Exhibit 500-7 – LOA, Notification Process by the Metropolitan Airports Commission for Surface Area Notices to Airmen

Exhibit 500-8 – LOA, Reporting Airport Movement Area Conditions and Notification

Exhibit 500-9 – LOA, Notice to Airmen (NOTAM) Notification Responsibility

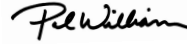

Exhibit 500-10 – LOA, Runway Safety Areas

Revision Control Sheet

Revision Number	Revision Date	Revision Contents and/or Remarks
001	07/01/07	Pages iv - vi, Revision Control Sheet, Distribution List
001	07/01/07	Page 11-2, Declared Distances & Displaced Thresholds
001	07/01/07	Page 11-3, safety areas for Taxiways K & L
001	07/01/07	Page 12-3, 12-4, 12-5, Taxiway reflectors
001	07/01/07	Page 15-1, & 15-2, paragraph a, vehicles 16 & 17
001	07/01/07	Page 16-1, items c & e
001	07/01/07	Page 21-1, 21-2, 21-3, 21-4, 21-5, Pedestrian and Ground Vehicles
001	07/01/07	Page 24-1, item 3.a
001	07/01/07	Exhibit 1, Operations Organization Chart
001	08/15/06	Exhibit 7, Sign Plan
001	07/01/07	Exhibit 9, Snow Plan
001	07/01/07	Exhibit 13, Letters of Agreement
002	01/22/09	Exhibit 7, Updated Sign Plan
003	03/31/09	Exhibit 9, Snow Plan: Added information related to continuous monitoring and crew resource management.
004	10/31/10	Complete update of the entire document.
005	01/01/12	Page 21-1, 21-2, 21-3, 21-4, 21-5, 21-6, Pedestrian and Ground Vehicles
006	03/18/13	Pages i, iv, Table of Contents and Revision Control Sheet. Pages v-vi, Elimination of Document Control Sheet (page renumbering). Page 4-1, Falsification, reproduction, or alteration of applications, certificates, reports, or records. Page 8-1, 8-2 (format), CEO, Personnel. Page 21-2, 21-4, Pedestrians and Ground Vehicles.
007	09/15/13	00 -Table of Contents; Sections 9, 11, 12, 15, 16, 20, 24, 26, 27; Exhibits 1, 2, 4, 5-2, 6, 7, 9-1, 9-2, 10, 11, 13-1, 13-2, 14, 16, 17.
008	07/31/14	00 - Table of Contents, Section 21
009	08/01/14	Table of Contents, Section 13, Exhibit 9
010	03/24/2016	Updates to 00 - Table of Contents and Sections 12, 15, 16, 17, 20, and 26 as well as Exhibits 1, 4, 7, 10, 12, 14, and 15. Addition of Exhibit 18.

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Revision Control Sheet (continued)

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011	09/01/2016	Changes to Sections 13, 20, 26 and Exhibit 9 to incorporate Runway Condition Codes (RCCs) and other changes to Airport Condition Reporting methods.
012	02/11/2018	Updates to 00 - Table of Contents, Sections 9 and 12 and Revised Movement/Non-Movement Area Letter of Agreement in Exhibit 13.
013	05/11/2018	Updates to 00 - Table of Contents, Distribution List, Section 21, Exhibit 1, Exhibit 5, and Exhibit 9
014	08/31/2018	Updates to Table of Contents, Section 11-Safety Areas, Section 12-Marking, Signs and Lighting, Section 15-ARFF Equipment and Agents, Section 17-Handling and Storing of Hazardous Substances and Materials, Exhibit 10-ARFF Equipment/Personnel, Exhibit 16-Preventive Maintenance Procedures for PAPIs and Generators, Exhibit 17-Engineered Materials Arresting System (EMAS) Maintenance Program, Exhibit 18-Fuel System Inspection Reports and Exhibit 19 - Corrective Action Form
015	11/09/2018	Updates to Section 19- Airport Emergency Plan and Exhibit 11- Airport Emergency Plan
016	06/01/2019	Entire document reformatting, and reorganization. Updates to Section 317- ARFF: Equipment and Agents, Section 321 -Handling and Storing of Hazardous Substances and Materials, Exhibit 303-1-Organization Chart, Exhibit 313-1-Snow Plan, Exhibit 317-1-ARFF Equipment/Personnel, Exhibit 327-1-Daily Self-Inspection Forms, Exhibit 339-1-NOTAM Information
017	09/27/2019	Updates to Distribution List, Section 323-Air Traffic and Wind Direction Indicators, Exhibit 311-2-Preventive Maintenance Inspection Procedures for PAPIs and Generators, Exhibit 313-1-1-Snow Plan, 321-1-Fuel System Inspection Reports, Exhibit 327-1-Self-Inspection Forms
018	10/01/20	Updates to Distribution List, Section C of Section 321 and replacement of pages 4 and 5 of Exhibit 321-1 with new training form.
019	11/20/20	Updates to Distribution List, Section 309, Section 311, Section 321, Section 323, Exhibit 305-2, Exhibit 311-2, and Exhibit 500-1
020	12/23/20	Updates to the Table of Contents and the Sign Plan in Exhibit 311-1.

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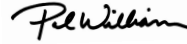

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Revision Control Sheet (continued)

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020A	06/16/2021	Updates to the Table of Contents, Distribution List, and the Sign Plan in Exhibit 311-1.
021	6/21/2021	Updated Wildlife Hazard Management Plan in Exhibit 337-1.
022	3/25/2022	Updated Table of Contents-Distribution List, Section 303, Section 327, Exhibit 309-1, Exhibit 311-2, and Exhibit 327-1.
023	04/22/2022	Updated Section 311, Section 325, Section 339, Exhibit 325-1 and Exhibit 339-1
024	08/26/2022	Updated Table of Contents, Section 305, Section 311, Exhibit 313-1, Exhibit 321-1, Exhibit 500-1
025	11/18/2022	Updated Table of Contents, Section 301, Section 317, Section 335, Exhibit 101-2, and Exhibit 500-10
026	07/14/2023	Updated Table of Contents, Section 201, Section 311, Section 327, Section 329, and Exhibit 327-1
027	10/06/2023	Updated Table of Contents Distribution List, Section 313 and Exhibit 313-1.
028	10/12/2023	Updated Exhibit 325-1, Airport Emergency Plan - Revision 06
029	12/29/2023	Updated Section 309, Section 317, Section 319, and Exhibit 317-1
030	01/26/2024	Update to the Sign Plan, Exhibit 311-1

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Distribution List

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2. FAA Airport Certification Inspector
3. MAC Executive Director/CEO
4. MAC Executive Vice President/COO
5. MAC Vice President Management and Operations
6. MAC Director of Integrated Operations
7. MAC Director of Airport Maintenance and Asset Management
8. MAC Director of Public Safety
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24. Manager, FAA Airways Facilities
25. Minnesota State Department of Transportation

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27. Station Manager, Air Canada
28. Station Manager, WestJet Airlines
29. Station Manager, American Airlines
30. Station Manager, Southwest Airlines
31. Station Manager, Delta Air Lines
32. Station Manager, FedEx
33. Station Manager, Frontier Airlines
34. Station Manager, Icelandair
35. Station Manager, UNIFI
36. Station Manager, Spirit Airlines
37. Station Manager, Skywest Airlines
38. Station Manager, Endeavor Airlines
39. Station Manager, United Airlines
40. Station Manager, Sun Country Airlines
41. Station Manager, Alaska Airlines
42. Station Manager, DHL
43. Station Manager United Parcel Service
44. 934th Air Force Reserve
45. 133rd Air National Guard
46. Swissport
47. Station Manager, Denver Air Connection
48. Station Manager, JetBlue
49. Station Manager, Air France/KLM
50. Station Manager, Atlas Air

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Date:

Pat Williams

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Distribution List

- 51. Station Manager, Allegiant Airlines
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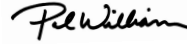

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35. Station Manager, UNIFI
36. Station Manager, Spirit Airlines
37. Station Manager, Skywest Airlines
38. Station Manager, Endeavor Airlines
39. Station Manager, United Airlines
40. Station Manager, Sun Country Airlines
41. Station Manager, Alaska Airlines
42. Station Manager, DHL
43. Station Manager United Parcel Service
44. 934th Air Force Reserve
45. 133rd Air National Guard
46. Swissport
47. Station Manager, Denver Air Connection
48. Station Manager, JetBlue
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50. Station Manager, Atlas Air

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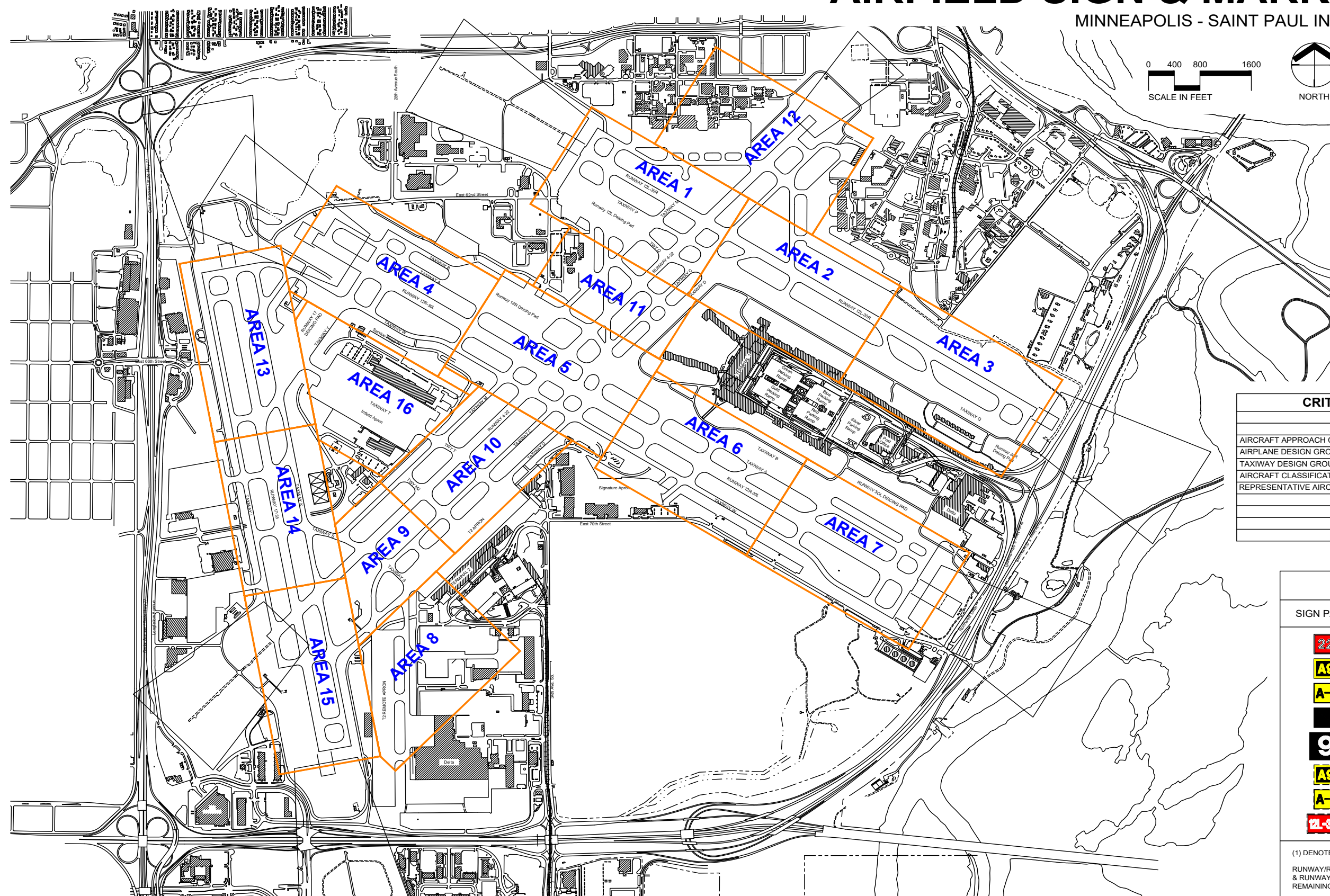
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





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MINNEAPOLIS - SAINT PAUL INTERNATIONAL AIRPORT



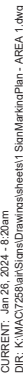
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4	AREA 4
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7	AREA 7
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16	AREA 16

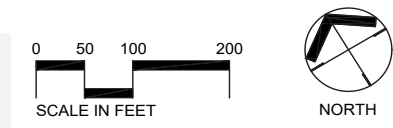
CRITICAL DESIGN AIRCRAFT		
	OVERALL AIRPORT	
	EXISTING	ULTIMATE
AIRCRAFT APPROACH CATEGORY (AAC)	D	SAME
AIRPLANE DESIGN GROUP (ADG)	V	SAME
TAXIWAY DESIGN GROUP (TDG)	5	SAME
AIRCRAFT CLASSIFICATION NUMBER (ACN)	76	SAME
REPRESENTATIVE AIRCRAFT TYPE(S)		
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	A330, B767, B777	SAME
	A330, B772, B787	SAME
	B789	SAME

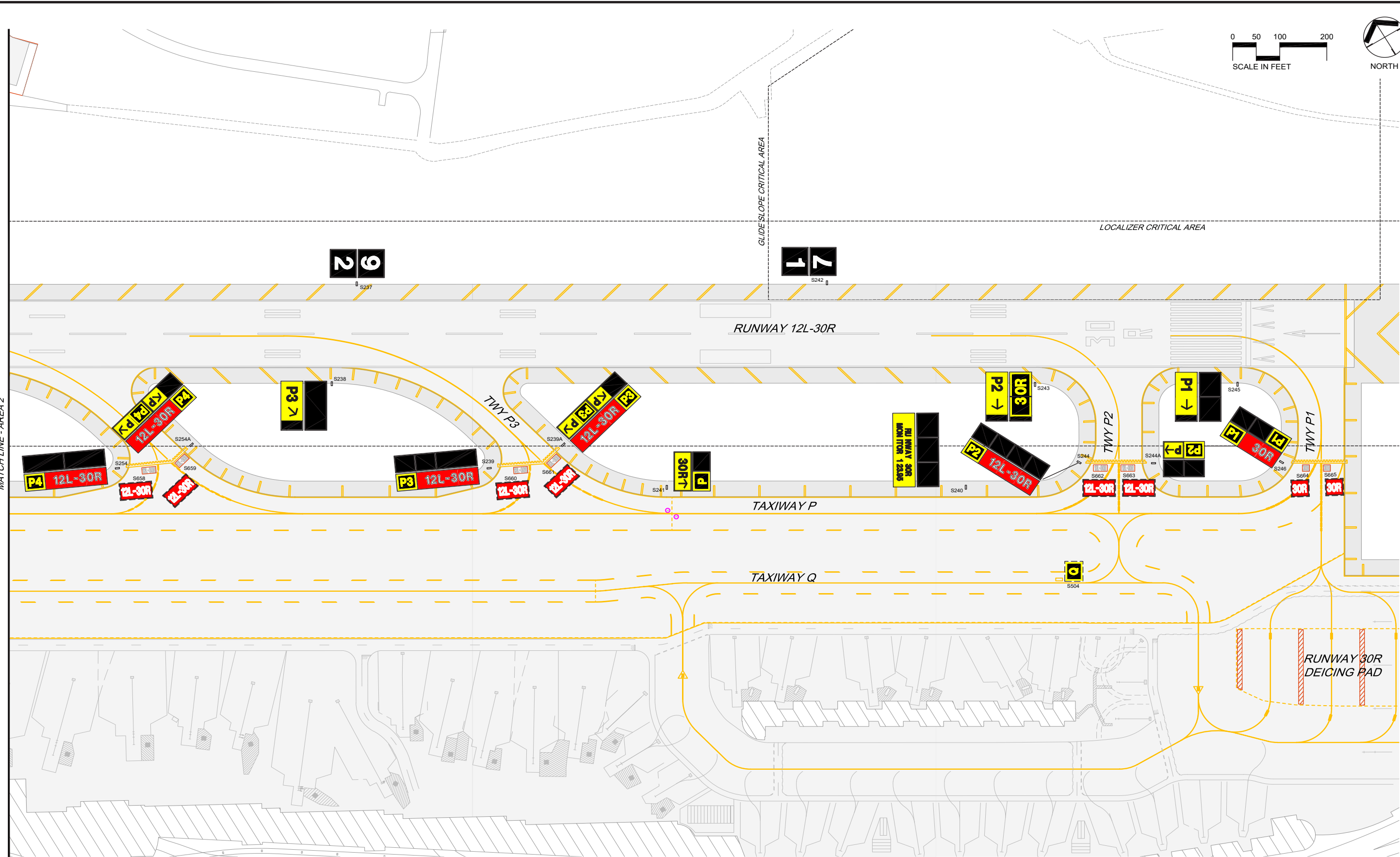
SIGN PANEL LEGEND		
SIGN PANEL	LEGEND	BACKGROUND
	WHITE W/ BLACK OUTLINE	RED
	YELLOW	BLACK
	BLACK	YELLOW
	NONE	BLACK
	WHITE	BLACK
	YELLOW ⁽¹⁾	BLACK ⁽¹⁾
	BLACK ⁽¹⁾	YELLOW ⁽¹⁾
	WHITE ⁽¹⁾	RED ⁽¹⁾


(1) DENOTES SURFACE PAINTED SIGNS

RUNWAY/RUNWAY INTERSECTION HOLDING POSITION SIGNS
 & RUNWAY EXIT SIGNS ARE SIZE 2; RUNWAY DISTANCE
 REMAINING SIGNS ARE SIZE 5; ALL OTHER SIGNS ARE SIZE 1.

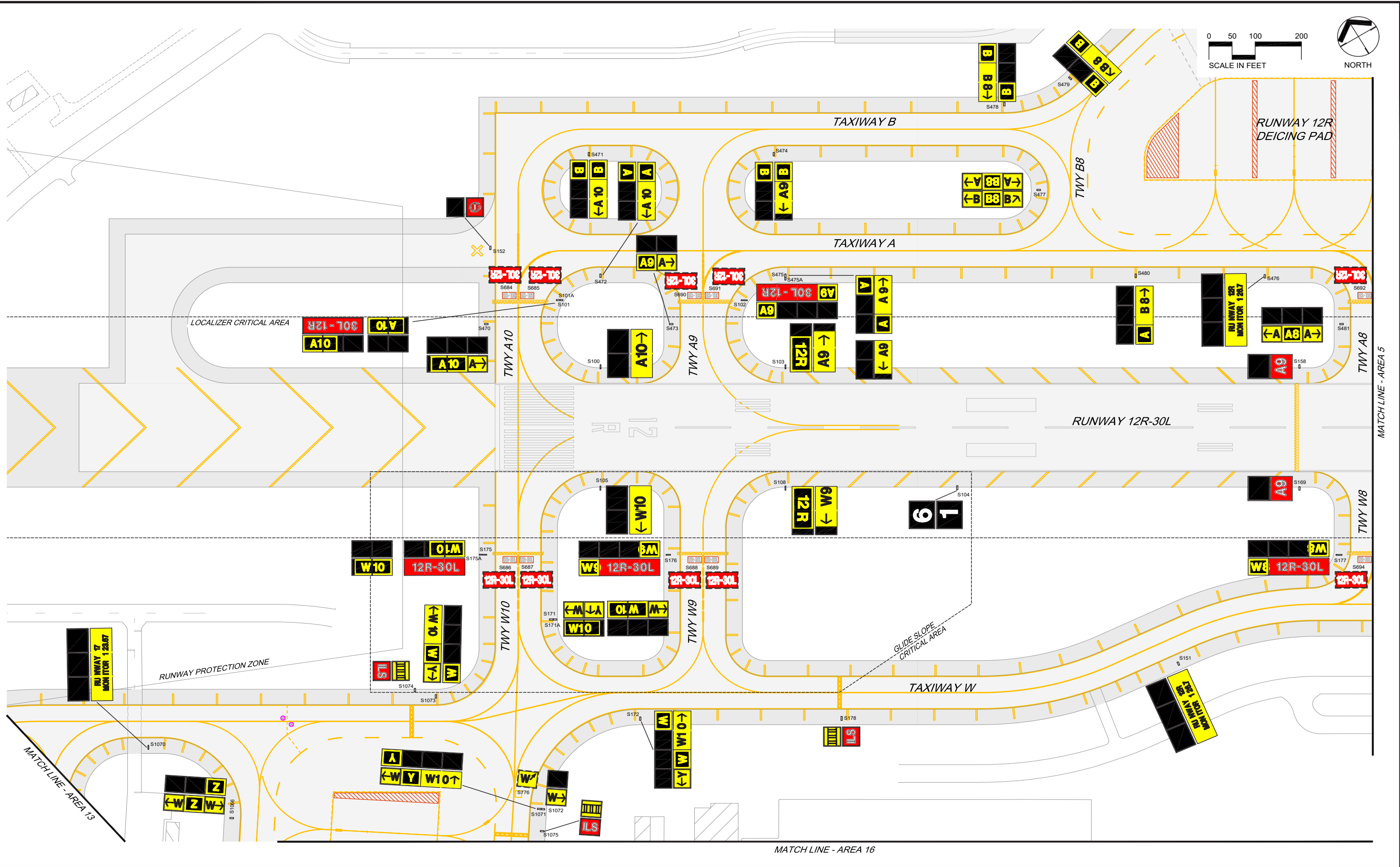







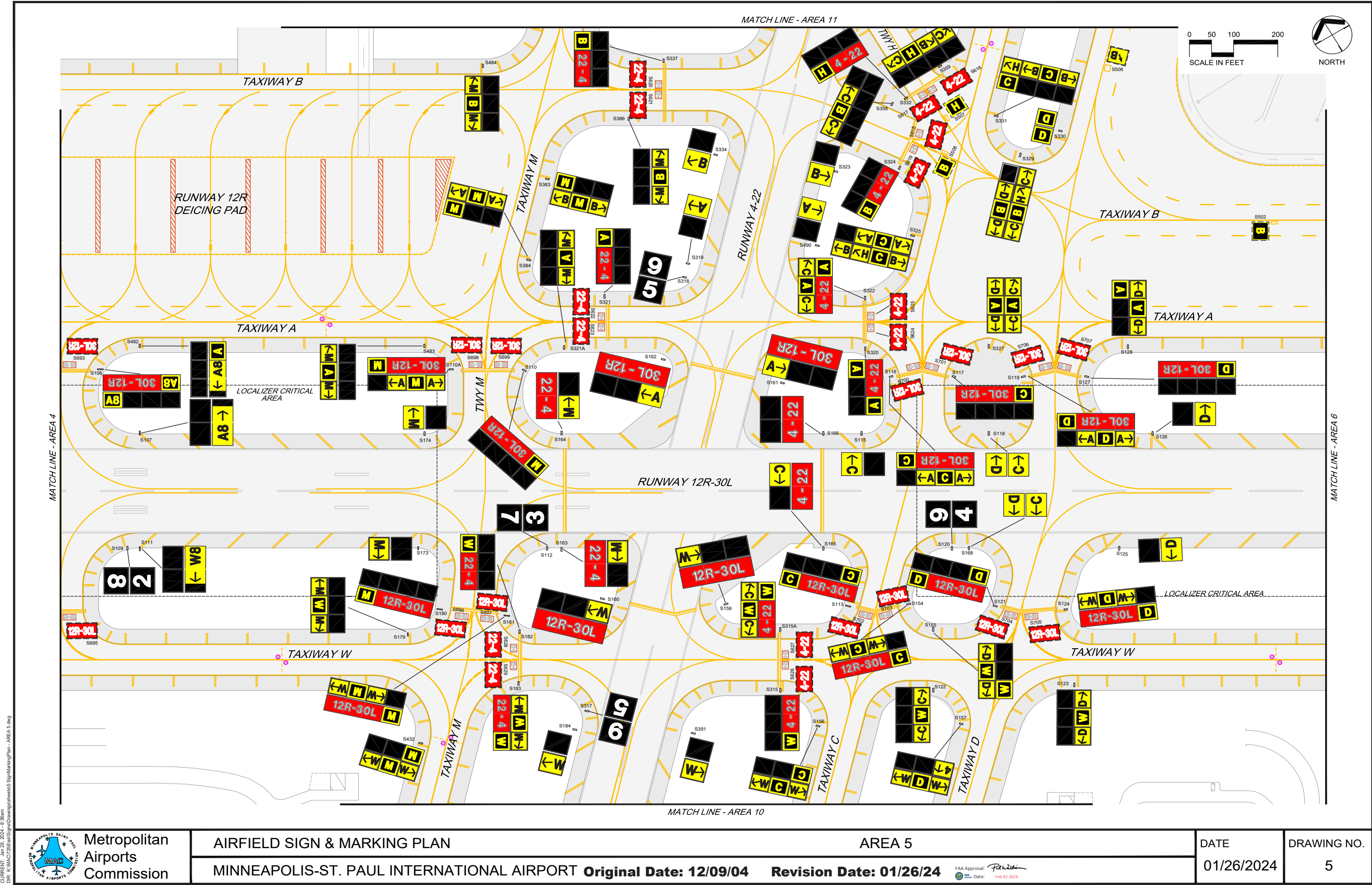
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	MINNEAPOLIS-ST. PAUL INTERNATIONAL AIRPORT			Original Date: 12/09/04	Revision Date: 01/26/24	01/26/2024	3

FAA Approval:  Date: Feb 02 2024



 Metropolitan Airports Commission	AIRFIELD SIGN & MARKING PLAN		AREA 4		DATE	DRAWING NO.
	MINNEAPOLIS-ST. PAUL INTERNATIONAL AIRPORT		Original Date: 12/09/04	Revision Date: 01/26/24	01/26/2024	4

FAA Approval: 
Date: Feb 02 2024



CURRENT: Jan 26, 2024 - 8:37am
DR: K:\MAC\22889\Signs\DrawingSheet\6 SignMarkingPlan - AREA 6.dwg



Metropolitan
Airports
Commission

AIRFIELD SIGN & MARKING PLAN

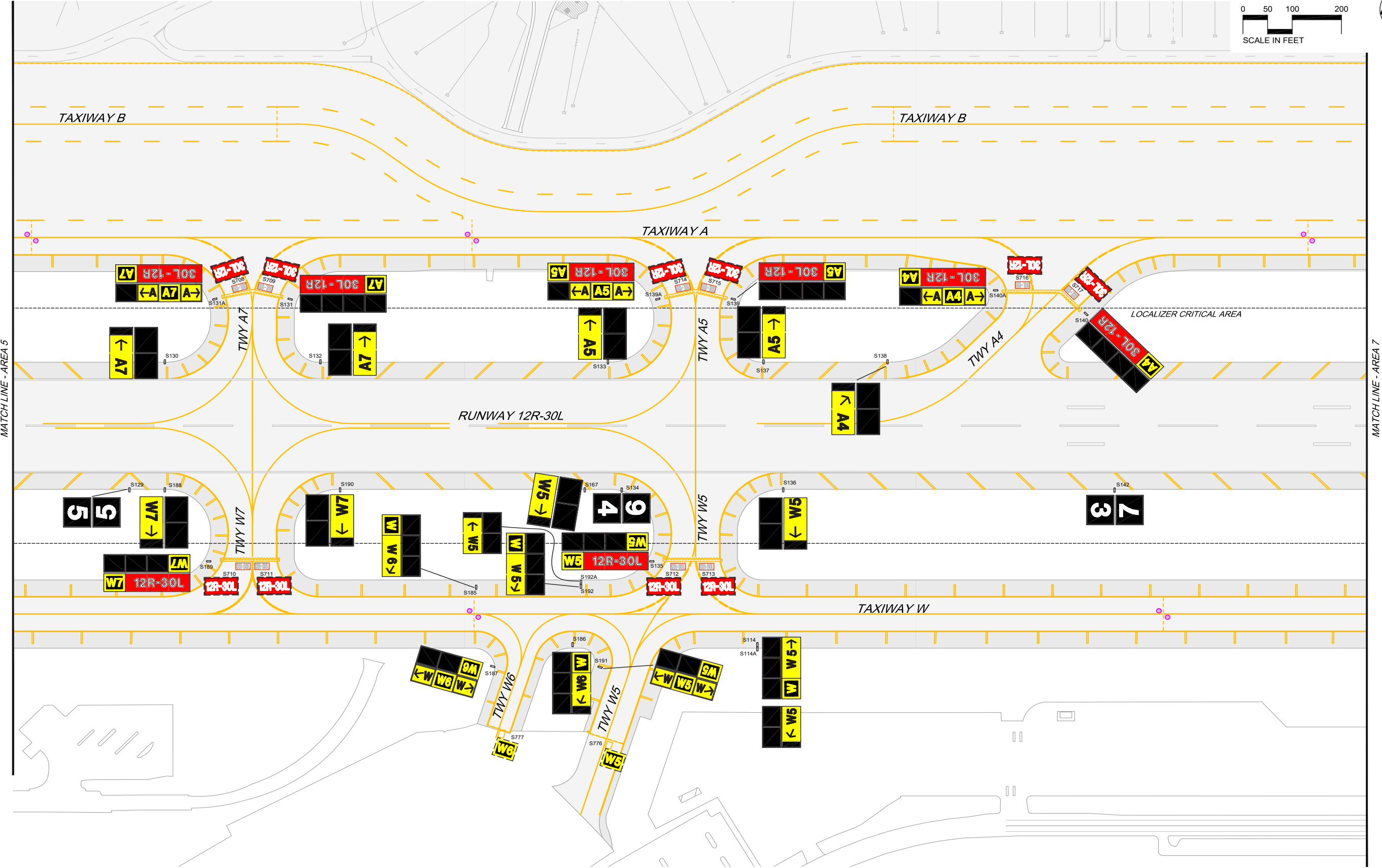
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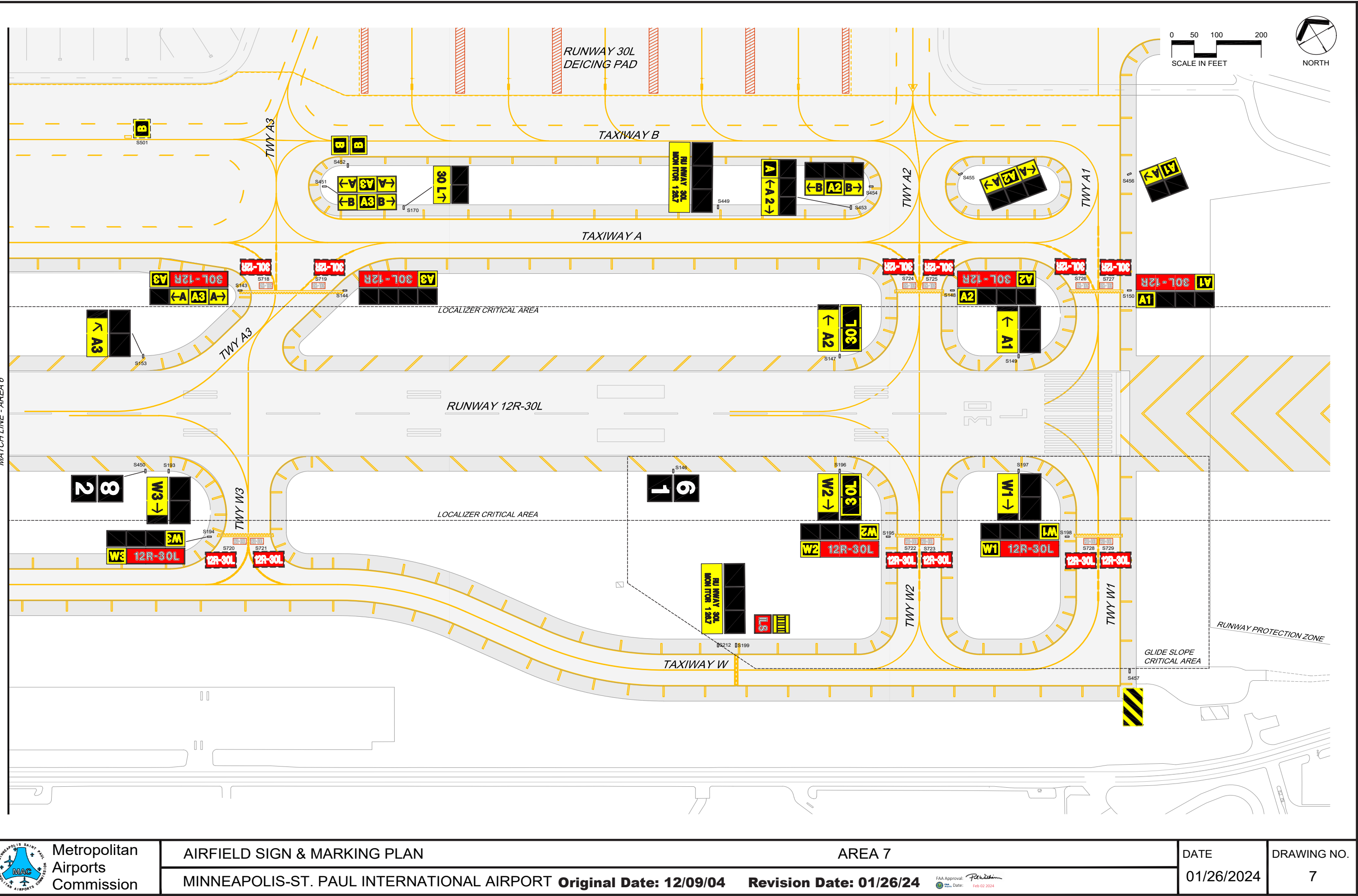
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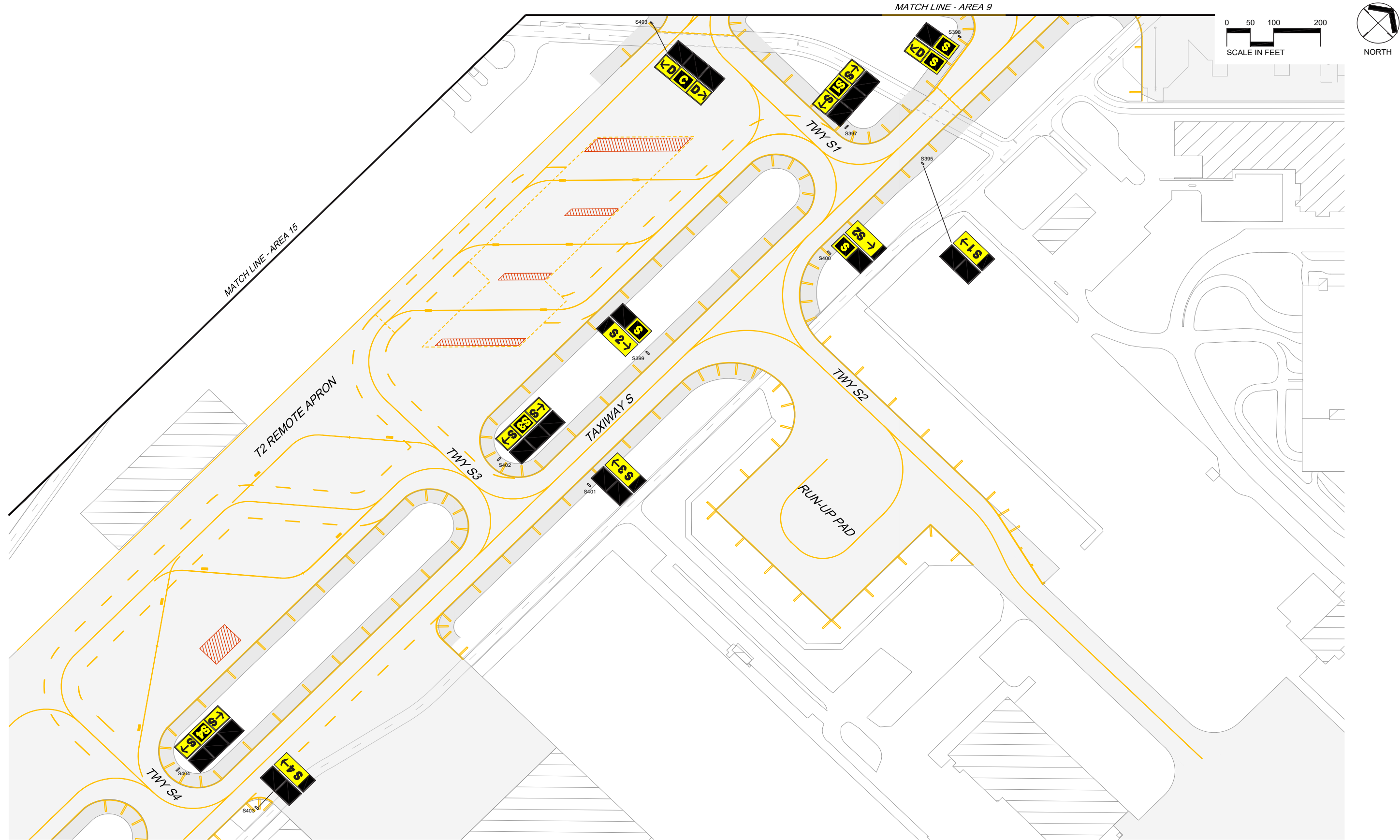
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Date: Feb 02 2024

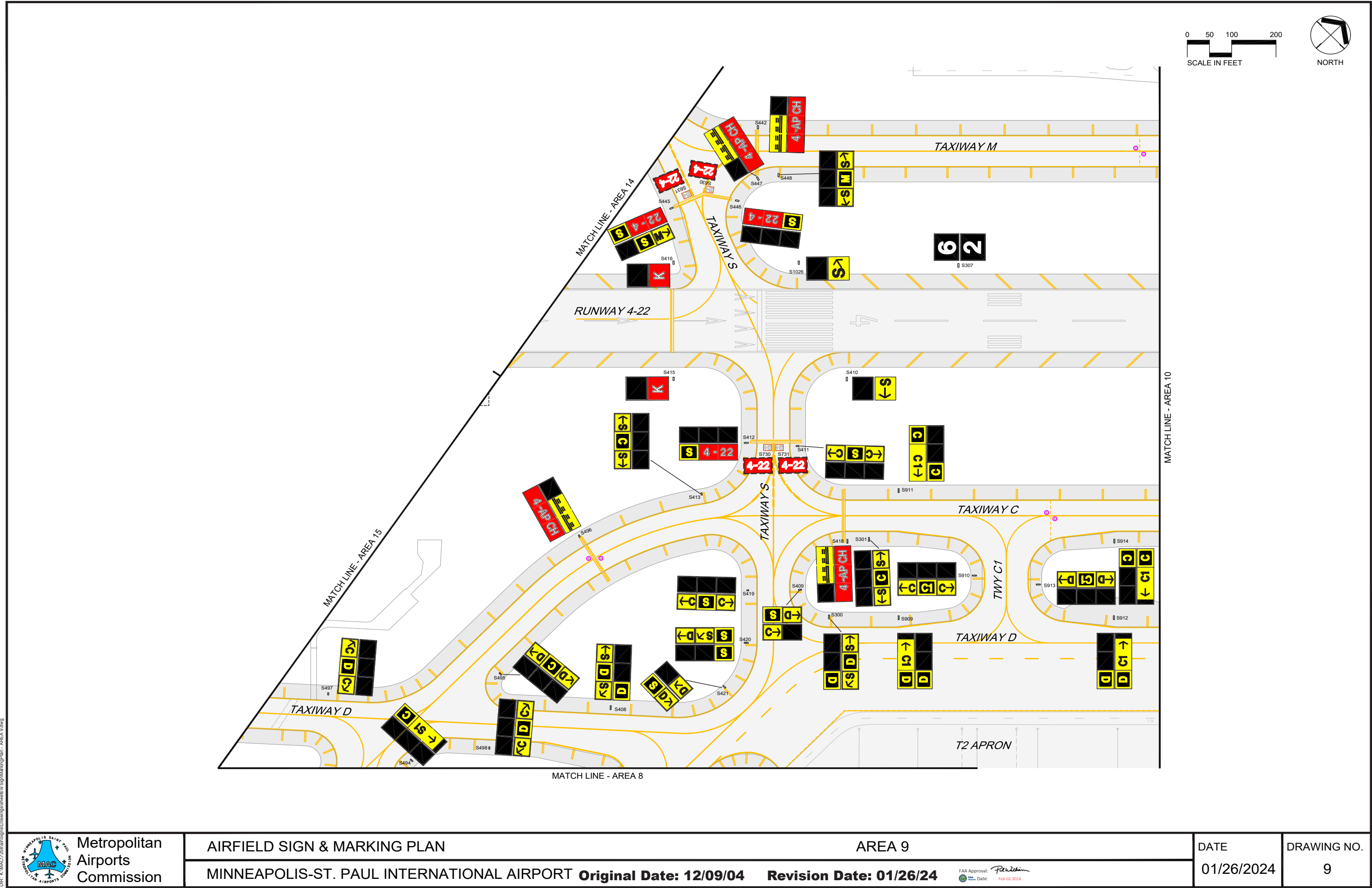
DATE
01/26/2024

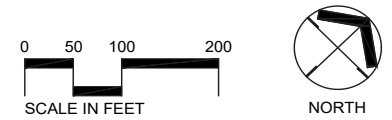
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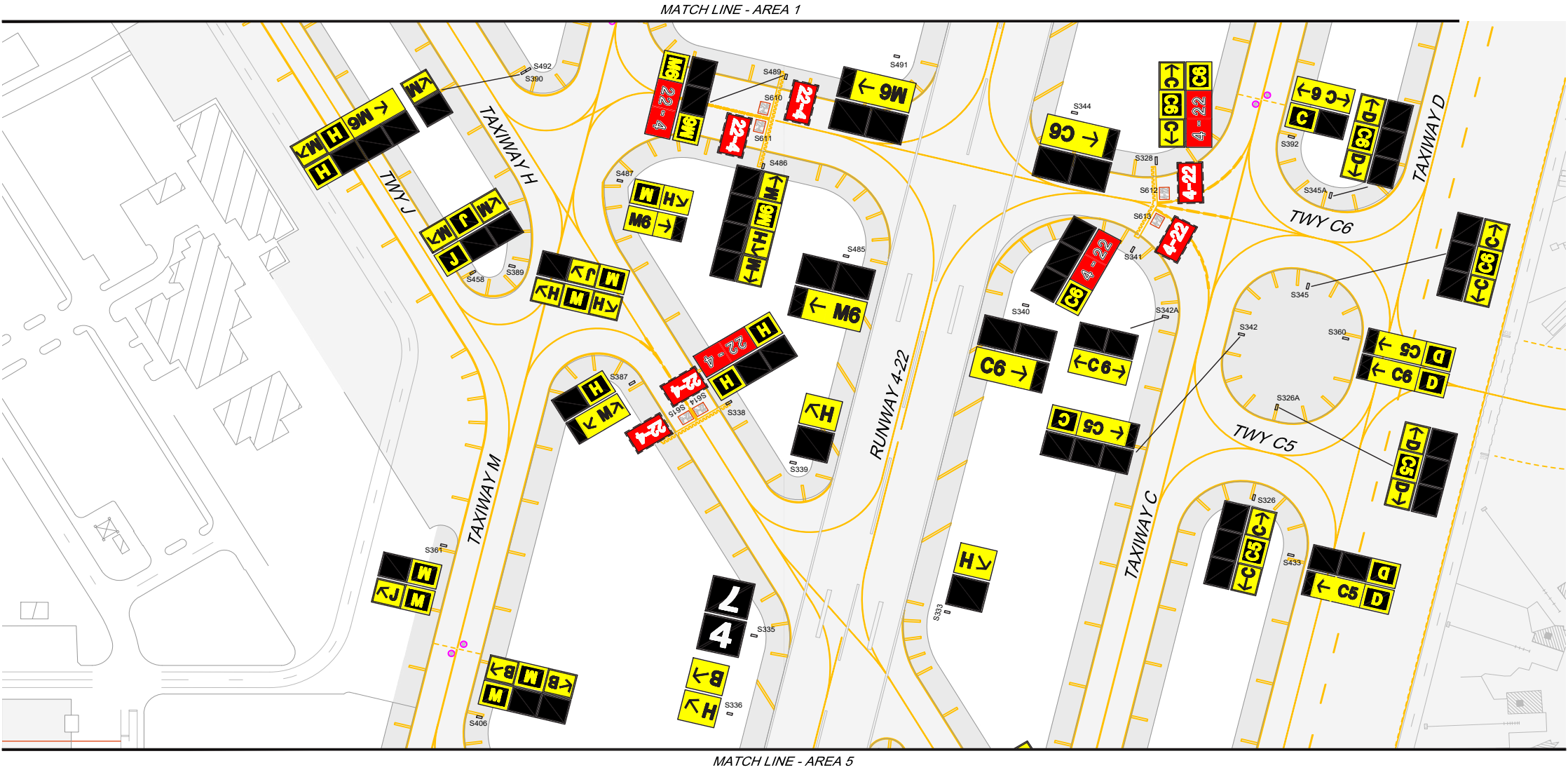
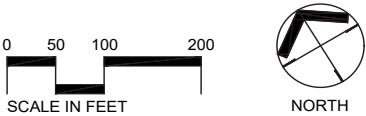








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MINNEAPOLIS-ST. PAUL INTERNATIONAL AIRPORT **Original Date: 12/09/04** **Revision Date: 01/26/24**

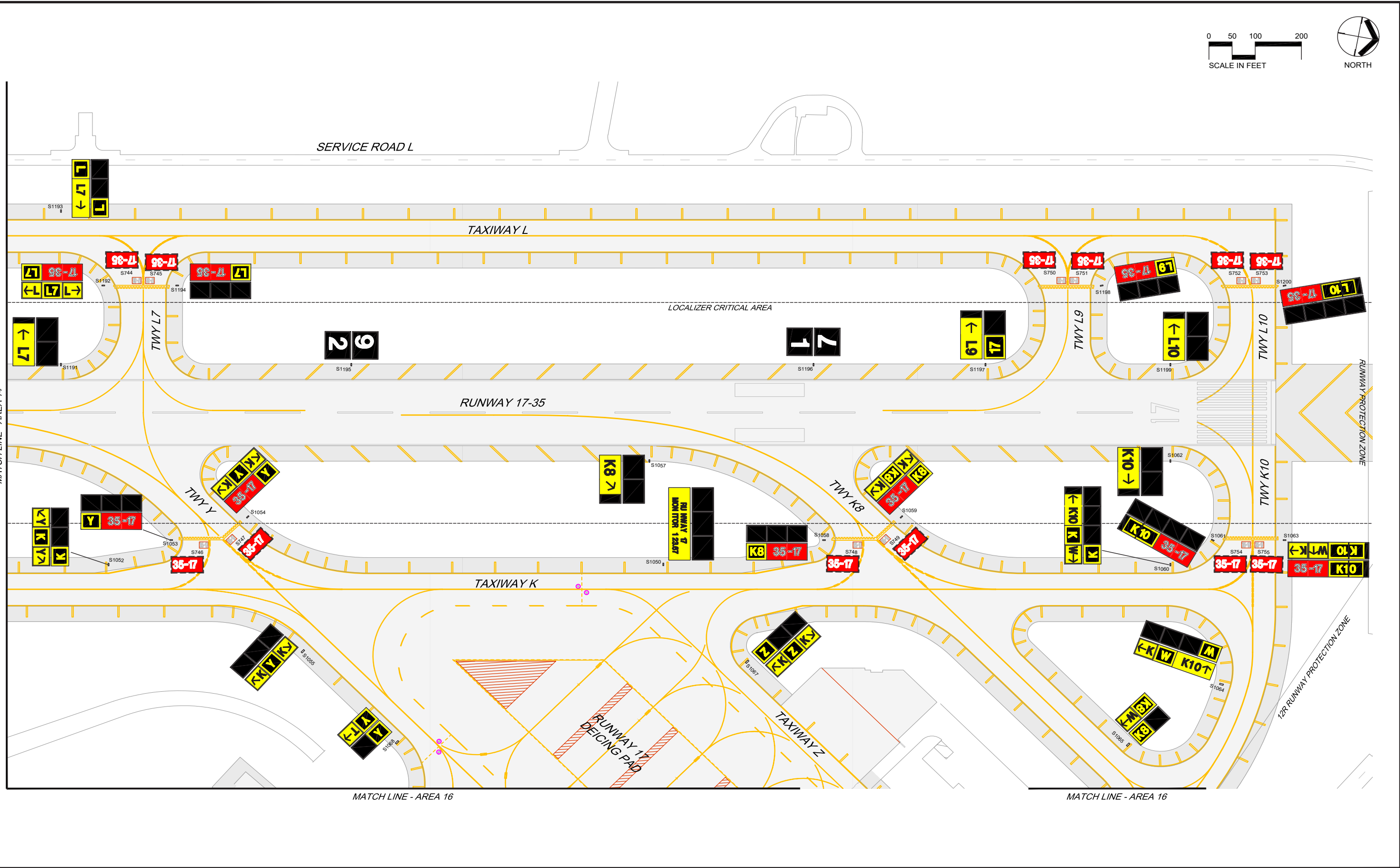
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FAA Approval: *[Signature]*
Date: Feb 02 2024

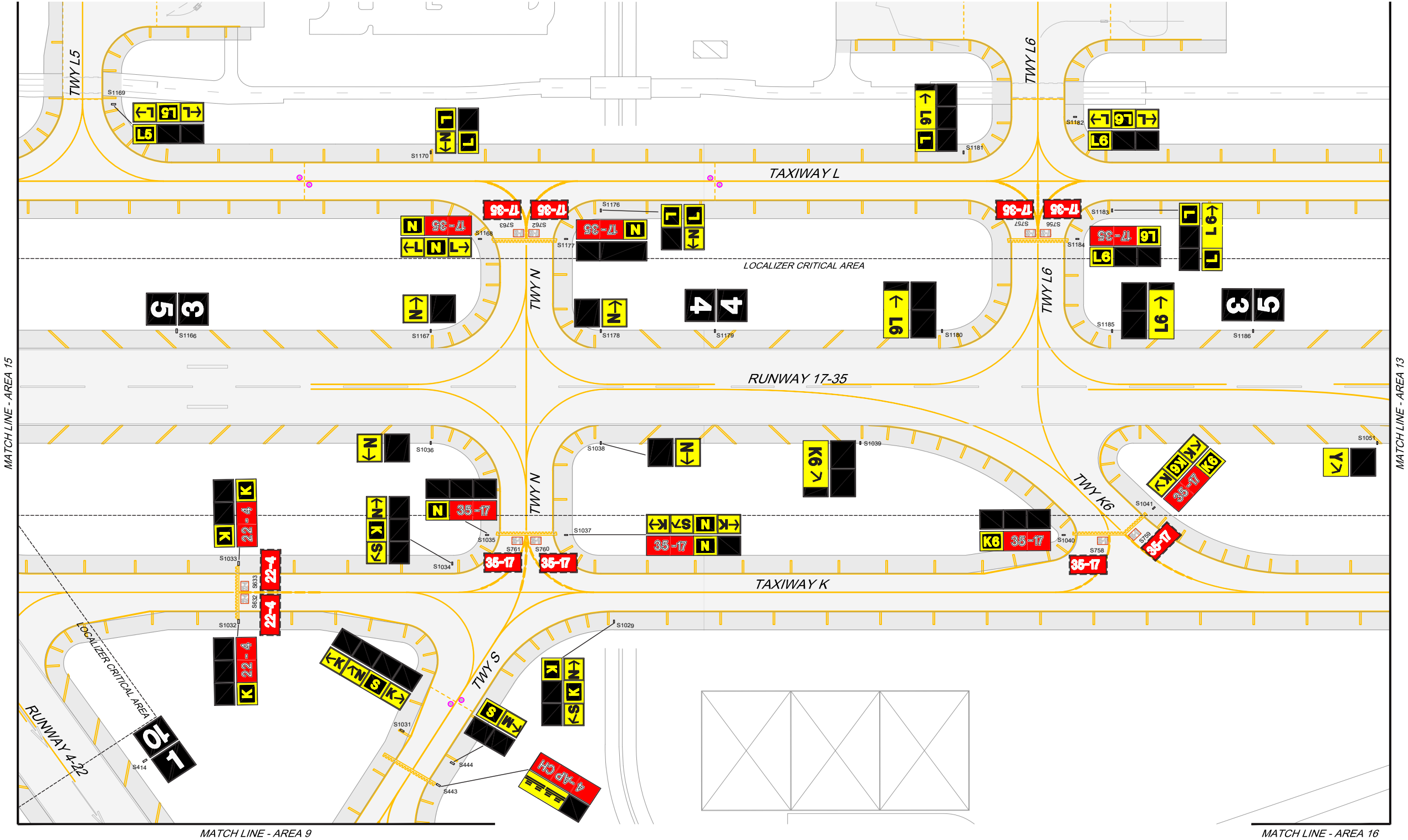
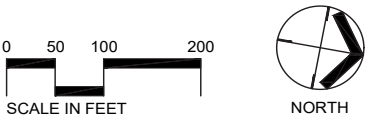
DATE
01/26/2024

DRAWING NO.
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	MINNEAPOLIS-ST. PAUL INTERNATIONAL AIRPORT			Original Date: 12/09/04	Revision Date: 01/26/24	01/26/2024	13



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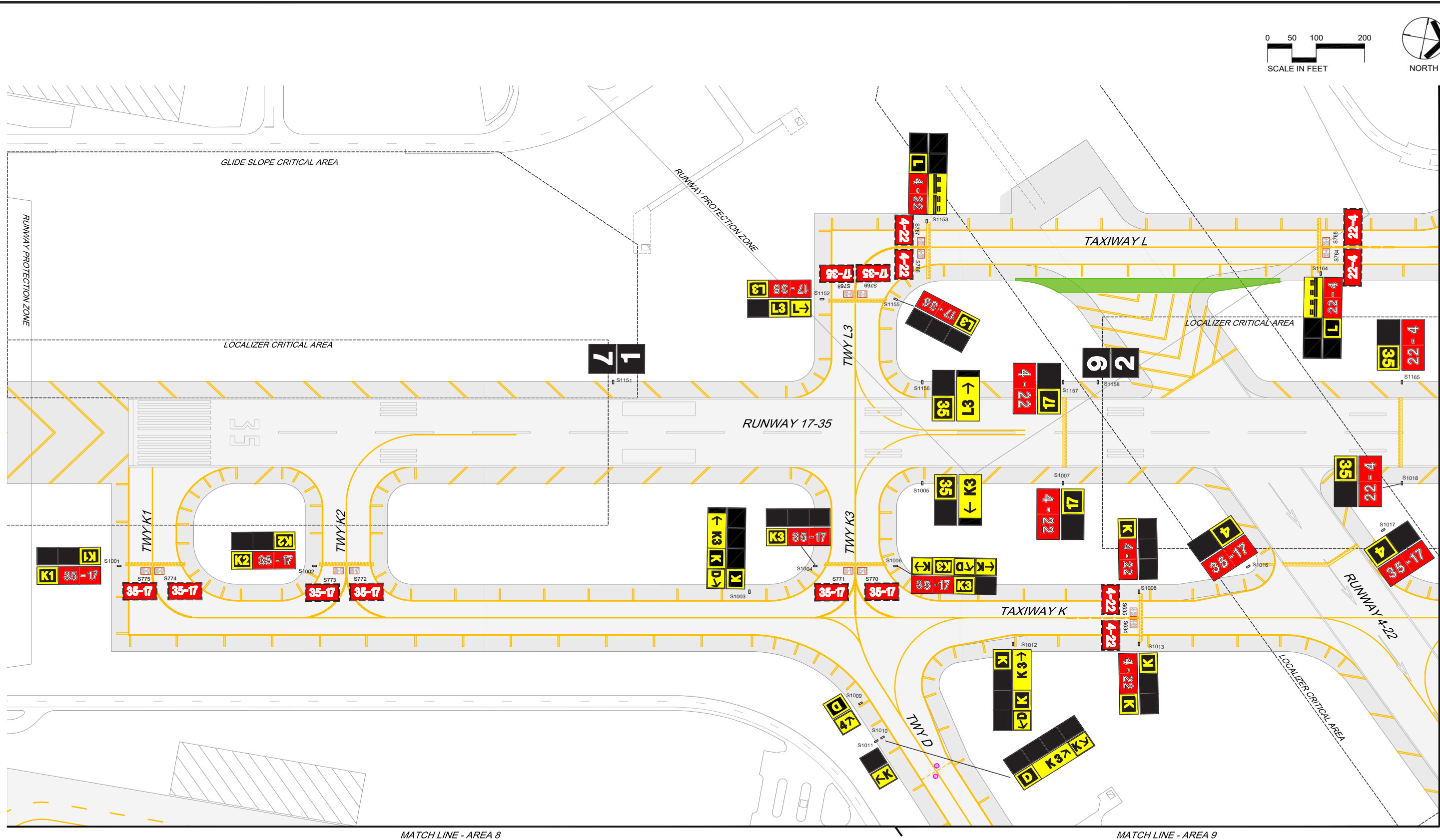
MINNEAPOLIS-ST. PAUL INTERNATIONAL AIRPORT **Original Date: 12/09/04** **Revision Date: 01/26/24**

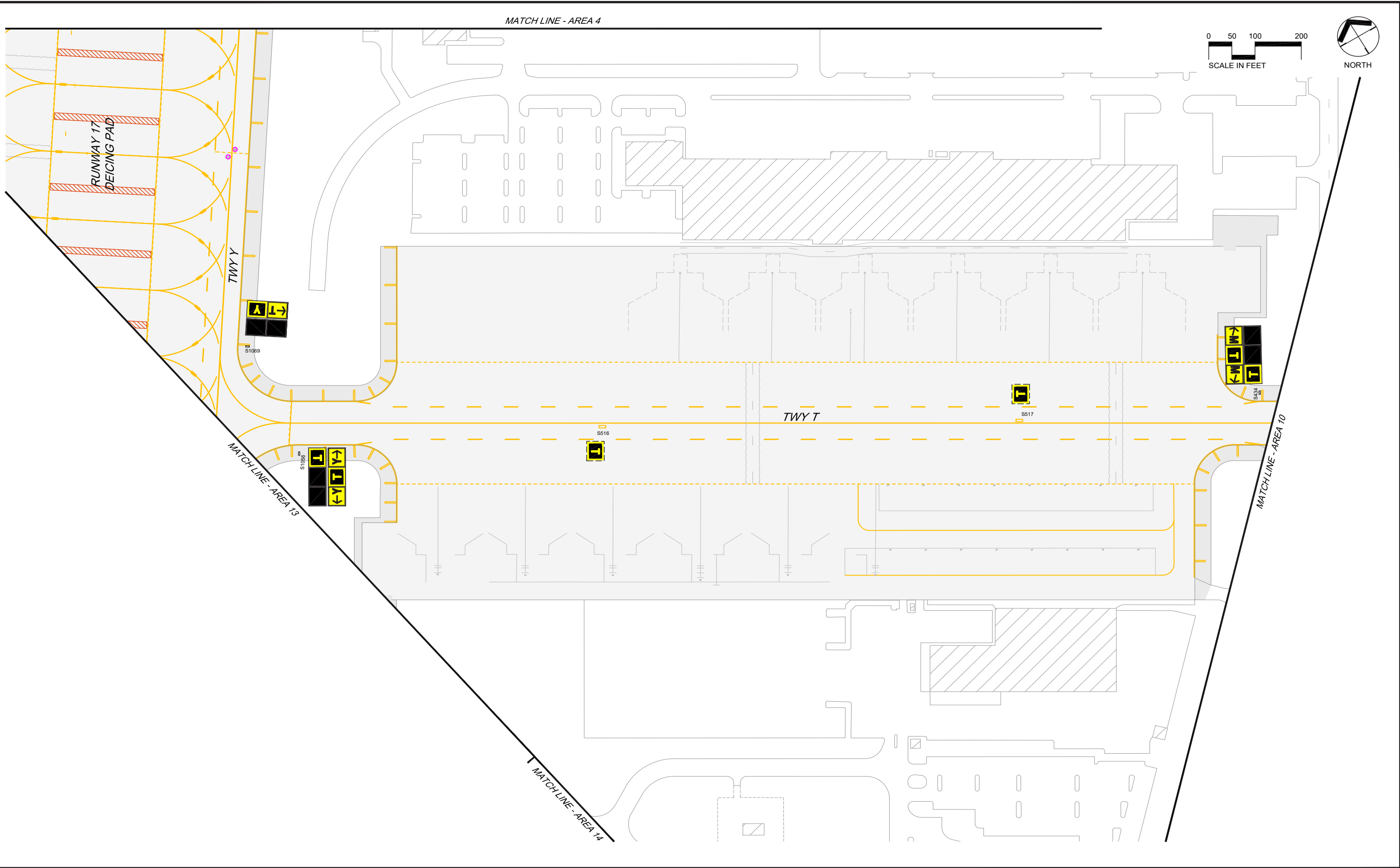
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DATE
01/26/2024

DRAWING NO.
14

FAA Approval: *Reid*
Date: Feb 02 2024





 <div>Metropolitan Airports Commission</div>	AIRFIELD SIGN & MARKING PLAN			AREA 16		DATE	DRAWING NO.
	MINNEAPOLIS-ST. PAUL INTERNATIONAL AIRPORT Original Date: 12/09/04 Revision Date: 01/26/24			FAA Approval:   Date: Feb 02 2024		01/26/2024	16

FAA Approval: *Pentecost*
Date: Feb 02 2024