

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
ILS STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.29**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or feet RVR.

<u>AIRPORT ID</u> KRST	<u>PROCEDURE NAME</u> ILS Z OR LOC Z RWY 31 ILS Z RWY 31 (SA CAT I), ILS Z RWY 31 (SA CAT II)	<u>ORIGINAL/AMENDMENT</u> 23B	<u>CITY</u> ROCHESTER	<u>STATE</u> MN			
<u>AIRPORT ELEVATION</u> 1317	<u>TDZE</u> 1304	<u>SUPERSEDED</u> ILS Z OR LOC Z RWY 31 ILS Z RWY 31 (SA CAT I), ILS Z RWY 31 (SA CAT II)	<u>ORIGINAL/AMENDMENT</u> 23A	<u>DATED</u> 05/21/2020	<u>MAG VAR</u> 1W	<u>EPOCH YEAR</u> 2025	
<u>FACILITY</u> I-RST	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>			

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
RST VOR/DME		MINGO INT	FAF/IAF				057.64	9.16	2900
YESUR/RST 13.00 DME CCW	IAF	EGACE/RST 13.00 DME	NOPT				13.00 DME ARC		3700
EGACE/RST 13.00 DME CCW		TECUY INT					13.00 DME ARC (RST LR-095)		2900
EMORE INT	IAF	TECUY INT	NOPT				313.14	6.59 (I-RST)	2900
TECUY INT	IF	MINGO INT					313.14	6.55 (I-RST)	2800

MISSED APPROACH

MAP:

ILS: DA
LOC: 4.52 NM AFTER MINGO INT

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2000 THEN CLIMBING LEFT TURN TO 3000 DIRECT RST VOR/DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD SE MINGO, RT, 313.14 INBOUND, 2800 FT. IN LIEU OF PT (IAF), MAX 5000.

3. FAF: 313.14FAF: MINGO INTDIST FAF TO MAP: 4.52DIST FAF TO THLD: 4.52

4. MIN ALT: MINGO INT 2800

5. DIST TO THLD FROM OM: 1032.00MM:IM:100 HAT: 836150 HAT: 1792GS ANT: 1129

6. MIN GS INCPT: 2800GS ALT AT PFAF : MINGO INT 2800OM:MM:IM:

7. GP ANGLE: 3.0034:1:20:1TCH: 56.1

8. MSA FROM: RST VOR/DME 090-270 3900, 270-090 3300

EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED FOR PROCEDURE ENTRY AT YESUR.

NOTES:

SA CAT I ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 31: CAT A, B, C, D, RA 204, RVR 1400, HAT 150, DA 1454 MSL.
SA CAT II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 31: CAT A, B, C, D, RA 104, RVR 1200, HAT 100, DA 1404 MSL.
SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF HUD TO DH.
SA CAT II CHART NOTE: REDUCED LIGHTING: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF AUTOLAND OR HUD TO TOUCHDOWN.
SA CAT I/II CHART NOTE: PROCEDURE NA WHEN TOWER CLOSED.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT RST VOR/DME ON V82-170 WESTBOUND.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 31 CAT C/D VISIBILITY TO RVR 5500.

ADDITIONAL FLIGHT DATA:

CHART RST R-086 AT TECUY.
HOLD SW, RT, 025.14 INBOUND.
CHART FAS OBST: 1365 TREE (27-055942) 435356N/0922904W.
CHART RST R-168 AT YESUR.
CHART RST R-125 AT EGACE.
CHART CIRCLING ICON.

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☐ ILS: STANDARD - NA WHEN CONTROL TOWER CLOSED.; LOC: STANDARD - NA WHEN CONTROL TOWER CLOSED.

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
S-ILS 31	1504	1800	200	1504	1800	200	1504	1800	200	1504	1800	200			
S-LOC 31	1620	2400	316	1620	2400	316	1620	2400	316	1620	2400	316			
CIRCLING	1720	1	403	1780	1	463	1900	1 1/2	583	1900	2	583			



AIRPORT ID
KRST

PROCEDURE NAME
ILS Z OR LOC Z RWY 31
ILS Z RWY 31 (SA CAT I),
ILS Z RWY 31 (SA CAT II)

ORIGINAL/AMENDMENT
23B

CITY
ROCHESTER

STATE
MN

CHANGES - REASONS

- ALL LOC COURSES CHANGED BY +2 DEGREES - MAGVAR UPDATE FROM 1E TO 1 W.
- ADDED "DME REQUIRED FOR PROCEDURE ENTRY AT YESUR" TO PBN REQUIREMENTS NOTE - 8260.19I
- REMOVED "CHART ASR" FROM ADDITIONAL FLIGHT DATA - NO LONGER REQUIRED.

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZMP, RST ATCT, RST APP CON, STATE AERO, APT MGR

FLIGHT CHECKED BY

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE
FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

DEVELOPED BY

CHARLES THIBODEAUX

Digitally signed by

CHARLES J THIBODEAUX

Apr 15, 2022

Digitally signed by

JASON KRETSCHMER

Aug 01, 2022

OFFICE

Digitally signed by

JASON KRETSCHMER

Aug 01, 2022

OFFICE

AJV-A421

DATE

DATE
01/25/2022

OFFICE

AJV-A420

DATE

TITLE

MANAGER

APPROVED BY

MARLON ROBINSON

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

<u>AIRPORT ID</u> KRST	<u>PROCEDURE NAME</u> ILS Z OR LOC Z RWY 31 ILS Z RWY 31 (SA CAT I), ILS Z RWY 31 (SA CAT II)	<u>AMDT NO.</u> 23B	<u>CITY</u> ROCHESTER	<u>STATE</u> MN	<u>AIRPORT ELEVATION</u> 1317	<u>FACILITY</u> I-RST
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PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM
RST VOR/DME

TO
MINGO INT

<u>RNP</u>	<u>DISTANCE</u> 9.16	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>							
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
1.TWR (27-001882)	434814.47N/0923448.79W		1595	50	20	2C	1000					2600
2.TERRAIN	434736.00N/0923542.00W		1385 (1400)								AS1500	2900

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL: ARC

FROM
YESUR/RST 13.00 DME CCW

TO
EGACE/RST 13.00 DME

<u>RNP</u>	<u>DISTANCE</u> 15.00	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>							
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
3.TWR (27-000020)	433415.00N/0922538.00W		2642	20	50	1D	1000					3700
4.TERRAIN	433618.00N/0923400.00W		1424 (1400)								AS1500	2900

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INITIAL: ARC STEPDOWN

FROM
EGACE/RST 13.00 DME CCW

TO
TECUY INT

RNP	DISTANCE 15.00	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
5.TWR (27-020458)	433933.59N/0921758.84W		1680	500	50	5D	1000					2700
6.TERRAIN	433633.00N/0921827.00W		1408 (1400)								AS1500	2900

COMPUTATIONS												
ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE	

SEGMENT REMARKS:

INITIAL

FROM
EMORE INT

TO
TECUY INT

RNP	DISTANCE 6.59	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
7.AAO	434116.00N/0921710.39W		1570	50	20	2C	1000					2600
8.TERRAIN	434116.00N/0921710.39W		1370 (1400)								AS1500	2900

COMPUTATIONS												
ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE	

SEGMENT REMARKS:



INTERMEDIATE

FROM

TECUY INT

TO

MINGO INT

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	6.55											
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
9.AAO	434603.00N/0922136.00W		1569	50	20	2C	500				AT731	2800
10.TERRAIN	434603.00N/0922136.00W		1369 (1400)								AS1000	2400

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:

FINAL: ILS

FROM

MINGO INT

TO

RW31

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	4.52		DA	200								
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				1504

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:



FINAL: LOC

FROM

MINGO INT

TO

4.52 NM AFTER MINGO INT

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>							
	4.52		4.52 NM AFTER MINGO INT	316								
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>	
11.TREE (27-055942)	435356.30N/0922903.91W	1365	20	3	1A	250					1620	

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: ILS SA CAT I

FROM

MINGO INT

TO

RW31

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>				
	4.52		DA		150						
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				1454

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: ILS SA CAT II

FROM

MINGO INT

TO

DA

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	4.52		DA		100							
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				1404

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:

HOLD-IN-LIEU OF PT

FROM

MINGO

TO

P-4

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
		P-4										
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
12.TWR (27-002477)	435117.71N/0922010.62W		1655	250	50	4D	1000				AT145	2800
10.TERRAIN	434603.00N/0922136.00W		1369 (1400)								AS1000	2400

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:



MISSED APPROACH : ILS

FROM

DA

TO

RST VOR/DME

RNP	DISTANCE	PAT	MAP	HAT			HMAS 1336					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				3000
13.WIND (27-020309)	434738.51N/0924029.28W		1799	500	50	5D	1000					2800
14.TERRAIN	434715.00N/0924030.00W		1415 (1400)								AS1500	2900

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:

MISSED APPROACH : LOC

FROM

4.52 NM AFTER MINGO INT

TO

RST VOR/DME

RNP	DISTANCE	PAT	MAP	HAT			HMAS 1370					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				3000
13.WIND (27-020309)	434738.51N/0924029.28W		1799	500	50	5D	1000					2800
14.TERRAIN	434715.00N/0924030.00W		1415 (1400)								AS1500	2900

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:



MISSED APPROACH : ILS SA CAT I

FROM

DA

TO

RST VOR/DME

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				3000
13.WIND (27-020309)	434738.51N/0924029.28W		1799	500	50	5D	1000					2800
14.TERRAIN	434715.00N/0924030.00W		1415 (1400)								AS1500	2900

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:

MISSED APPROACH : ILS SA CAT II

FROM

DA

TO

RST VOR/DME

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				3000
13.WIND (27-020309)	434738.51N/0924029.28W		1799	500	50	5D	1000					2800
14.TERRAIN	434715.00N/0924030.00W		1415 (1400)								AS1500	2900

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:



CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☒ CAT D

☐ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
17.TANK (27-026583)	435513.81N/0922844.33W	1.31	403	1419	20	3	1A	300			1720
CATEGORY B											
18.TANK (27-001544)	435211.00N/0922953.00W	1.85	463	1428	50	20	2C	300		HAA	1780
CATEGORY C											
19.TWR (27-000694)	435050.87N/0922935.63W	2.91	583	1538	250	50	4D	300		AC50	1900
CATEGORY D											
19.TWR (27-000694)	435050.87N/0922935.63W	3.81	583	1538	250	50	4D	300		AC50	1900

CIRCLING REMARKS:

MSA

CENTER

RST VOR/DME

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
090-270	TOWER (19-020063)	432832.00N/0924230.00W	190	19.1	2828	500	50	5D	1000			3900
270-090	TOWER (27-000201)	440228.13N/0922025.47W	031	19.1	2244	20	3	1A	1000			3300

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

1000 FT AIRSPACE USED IN THE INTERMEDIATE SEGMENT AND THE HOLD-IN-LIEU PATTERN. PRIMARY AREAS ARE CONTAINED WITHIN THE 700 FT FLOOR OF CONTROLLED AIRSPACE.

DID NOT RELOCATE EMORE (IAF) TO BE REALIGNED EXACTLY ON THE ADJUSTED FAC (0.01° CHANGE) DUE TO NEW LOCALIZER SURVEY DATA. CHANGING THE COORDINATES WOULD IMPACT THREE RNAV (GPS) PROCEDURES. EMORE IS ON THE AIRWAY AND WITHIN LOCALIZER COVERAGE WITH AN APPROVED ESV ON FILE. (NOTE CARRIED OVER FROM PREVIOUS AMENDMENT)

<u>AIRPORT ID</u> KRST	<u>PROCEDURE NAME</u> ILS Z OR LOC Z RWY 31 ILS Z RWY 31 (SA CAT I), ILS Z RWY 31 (SA CAT II)	<u>AMDT NO.</u> 23B	<u>CITY</u> ROCHESTER	<u>STATE</u> MN	<u>AIRPORT ELEVATION</u> 1317	<u>FACILITY</u> I-RST
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PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH
RST TOWER, RST APP CON, ZMP ARTCC, PNM FSS

<u>WX SERVICE</u> ASOS	<u>LOCATION</u> KRST	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KRST	<u>DISTANCE</u> 0	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>

WX REMARKS:
BACKUP ALTIMETER SOURCE NOT REQUIRED. AIRPORT HAS REDUNDANT WEATHER CAPABILITY.

<u>PRIMARY NAVAID</u> I-RST	<u>MONITOR POINT</u> RST ATCT	<u>HRS OPERATION</u> TWR OPEN TWR CLOSED	<u>CAT</u> 1 3
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<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW02 - MIRL (PCL), REIL, VASI-4L	NPI-G	
RW20 - MIRL (PCL), REIL, PAPI-4L	NPI-G	
RW13 - TDZ, MALSR (PCL), HIRL (PCL), C/LINE, PAPI-4L	PIR-G	APPROACH
RW31 - TDZ, MALSR (PCL), HIRL (PCL), C/LINE, PAPI-4L	PIR-G	APPROACH

<u>GLIDESLOPE ANGLE</u> 3.00	<u>ELEV RWY THRESHOLD</u> 1304.1	<u>TCH</u> 56.1	<u>ELEV GS ANTENNA</u> 1301.0	<u>DISTANCE FROM RWY</u> 1129	<u>VGSI ANGLE</u> 3.00	<u>TCH</u> 54.9
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FINAL APPROACH COURSE AIMING
RUNWAY THRESHOLD ☒
ON CENTERLINE ☒

FT FROM THRESHOLD

FT FROM CENTERLINE

DISPLACED THRESHOLD DISTANCE

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
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CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

QUALITY
12
CHECKED

FAA Form 8260-9 / (11/16) Supersedes Previous Edition

Electronic Version

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HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or
5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:
VDP NOT ESTABLISHED - FINAL FACILITY DOES NOT HAVE DME.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ORDER 8260.3 CHAPTER 2 APPLIED TO 1510 AAO 435113.40N/0922325.05W.
BACKUP ALTIMETER SOURCE NOT REQUIRED. AIRPORT HAS REDUNDANT WEATHER CAPABILITY.
AVERAGE VEGETATION HEIGHT PER FPT 100 FT.
ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	2.95
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	0.86
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	312.14
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	1300
DISTANCE FROM	THLD	TO 1500FT POINT	6.55
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	8.00
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	312.14
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	1400

THRESHOLD
COORDINATES
(IF STR-IN) 435412.69N/0922912.15W

ARP COORDINATES 435429.80N/0923000.10W

RUNWAY APCH END
AND DIST FURTHEST
FROM ARP RUNWAY 13 DISTANCE 0.88 NM

FAF
COORDINATES 435110.57N/0922434.16W

FIX NAME
COORDINATES

REMARKS
HOLDING AT 435110.57N/0922434.16W 2800 - 5000 FT.



<u>AIRPORT ID</u> KRST	<u>PROCEDURE NAME</u> ILS Z OR LOC Z RWY 31 ILS Z RWY 31 (SA CAT I), ILS Z RWY 31 (SA CAT II)	<u>AMDT NO.</u> 23B	<u>CITY</u> ROCHESTER	<u>STATE</u> MN	<u>AIRPORT ELEVATION</u> 1317	<u>FACILITY</u> I-RST
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PART E: PREPARED BY

<u>NAME</u> CHARLES THIBODEAUX	<u>OFFICE</u> AJV-A421	<u>DATE</u> 01/25/2022	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
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