FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
LDA STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.25

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.

AIRPORT ID	PROCEDURE NAME	ORIGINAL/AMENDMENT	CITY	STATE
CCR	LDA RWY 19R	10	CONCORD	CA

AIRPORT ELEVATION	TDZE	SUPERSEDED	ORIGINAL/AMENDMENT	DATED	MAG VAR	EPOCH YEAR
26	22	LDA RWY 19R	9B	07/14/2022	13E	2020

FACILITY	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE	REQUIRED EFFECTIVE DATE	CANCEL/SUSPEND
I-CCR	375857.44N/1220334.01W		ROUTINE	

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
REJOY INT/SAC 19.58 DME	IAF	JOANS INT/I-CCR 11.89 DME	NOPT				254.37 (SGD R-074)	10.04	2000
JOANS INT/I-CCR 11.89 DME	IF	ZUKOP INT/I-CCR 8.03 DME					184.76 (I-CCR)	3.86	1500
ZUKOP INT/I-CCR 8.03 DME		KTLIN/I-CCR 4.30 DME/RADAR					184.76 (I-CCR)	3.73	1400

MISSED APPROACH

MAP:

3.63 NM AFTER KTLIN/I-CCR 4.30 DME/RADAR OR AT I-CCR 0.67 DME

MISSED APPROACH INSTRUCTIONS:

CLIMBING RIGHT TURN TO 3000 ON HEADING 045 AND ON SGD VORTAC R-074 TO REJOY/SAC VORTAC 19.58 DME AND HOLD.*MISSED APPROACH REQUIRES MINIMUM CLIMB OF 282 FEET PER NM TO 1800.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT R **SIDE OF COURSE** 004.76 **OUTBOUND** 2600 **FT WITHIN** 10 **MILES OF** KTLIN/I-CCR 4.30 DME/RADAR (IAF)
2.
3. FAC: 184.76 **FAF:** KTLIN/I-CCR 4.30 DME/RADAR **DIST FAF TO MAP:** 3.63 **DIST FAF TO THLD:** 3.63
4. MIN ALT: KTLIN/I-CCR 4.30 DME/RADAR 1400
8. MSA FROM: SGD VORTAC 090-180 5100, 180-270 3800, 270-090 4200

EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED.

NOTES:

CHART NOTE: RWY 19R HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: CIRCLING NA W OF RWY 1L-19R.
CHART NOTE: CIRCLING RWY 1L, 1R, 19L, 32L, 32R NA AT NIGHT.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT REJOY ON V6 NORTHBOUND.
CHART NOTE: *FOR INOPERATIVE ALS, INCREASE S-19R CATS C/D VISIBILITY TO 1 3/8 SM.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-19R CATS C/D VISIBILITY TO 2 1/2 SM.
CHART PROFILE NOTE: USE I-CCR DME WHEN ON THE LOCALIZER COURSE.

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 195.00 INBOUND.
CHART FAS OBST: 153 TOWER (06-224144) 380138N/1220247W.
CHART VDP AT 2.03 DME.
DISTANCE VDP TO THLD 1.36 NM.
CHART 2800 PRIOR TO KTLIN IN PROFILE.
FAC CROSSES RWY C/L EXTENDED 4 FT FROM THLD.
CHART PLANVIEW NOTE: LOC OFFSET 5.77 DEGREES.
KTLIN TO RW19R: 3.47/40.

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT C 1000-2 3/4, CAT D 1400-3, 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-19R*	460	3/4	438	460	3/4	438	460	1	438	460	1	438			
S-19R	800	3/4	778	800	1	778	800	2	778	800	2	778			
CIRCLING	800	1	774	800	1 1/4	774	960	2 3/4	934	1340	3	1314			

AIRPORT ID	PROCEDURE NAME	ORIGINAL/AMENDMENT	CITY	STATE
CCR	LDA RWY 19R	10	CONCORD	CA

CHANGES - REASONS

1. TERMINAL ROUTES: REJOY INT CHANGED FROM REJOY INT/CCR 14.89 DME TO REJOY INT/SAC 19.58 DME – DECOMMISSIONING OF CCR VOR.
2. TERMINAL ROUTES: KTLIN INT CHANGED FROM KTLIN/I-CCR 4.03 DME/RADAR TO KTLIN/I-CCR 4.30 DME/RADAR – RELOCATION OF KTLIN FOR PROCEDURE ALIGNMENT AND FPT ALTITUDE REQUESTED CHANGE.
3. TERMINAL ROUTES: ZUKOP TO KTLIN DISTANCE CHANGED FROM 4.00 TO 3.73 AND ALTITUDE CHANGED FROM 1300 TO 1400 - RELOCATION OF KTLIN FOR PROCEDURE ALIGNMENT AND FPT ALTITUDE REQUESTED CHANGE.
4. MAP: LOCATION CHANGED FROM 3.36 NM AFTER KTLIN/I-CCR 4.03 DME/RADAR OR AT I-CCR 0.67 DME TO 3.63 NM AFTER KTLIN/I-CCR 4.30 DME/RADAR OR AT I-CCR 0.67 DME - RELOCATION OF KTLIN FOR PROCEDURE ALIGNMENT AND FPT ALTITUDE REQUESTED CHANGE.
5. MISSED APPROACH INSTRUCTIONS: CHANGED FROM: “CLIMBING RIGHT TURN TO 3000 DIRECT CCR VOR/DME THEN ON CCR VOR/DME R-043.64 TO REJOY/CCR 14.89 DME AND HOLD. *MISSED APPROACH REQUIRES MINIMUM CLIMB OF 282 FEET PER NM TO 1800.” TO “CLIMBING RIGHT TURN TO 3000 ON HEADING 045 AND ON SGD VORTAC R-074 TO REJOY/SAC VORTAC 19.58 DME AND HOLD. *MISSED APPROACH REQUIRES MINIMUM CLIMB OF 282.
FEET PER NM TO 1800.” – DUE TO DECOMMISSIONING OF CCR VOR AND FPT DESIGN REQUEST.
6. PROFILE: LINE 1: MILES OF: CHANGED FROM KTLIN/I-CCR 4.03 DME/RADAR (IAF) TO KTLIN/I-CCR 4.30 DME/RADAR (IAF) - RELOCATION OF KTLIN FOR PROCEDURE ALIGNMENT AND FPT ALTITUDE REQUESTED CHANGE.
7. PROFILE: LINE 3: FAF CHANGED FROM KTLIN/I-CCR 4.03 DME/RADAR TO KTLIN/I-CCR 4.30 DME/RADAR, DIST FAF TO MAP AND DIST FAF TO THLD CHANGED FROM 3.36 TO 3.63 - RELOCATION OF KTLIN FOR PROCEDURE ALIGNMENT AND FPT ALTITUDE REQUESTED CHANGE.
8. PROFILE LINE 4: MIN ALT: UPDATED FROM KTLIN/I-CCR 4.03 DME/RADAR 1300 TO KTLIN/I-CCR 4.30 DME/RADAR 1400 – FPT REQUESTED ALTITUDE CHANGE.
9. PROFILE LINE 8: MSA FROM: CHANGED FROM CCR VOR/DME 090-180 5100, 180-360 4100, 360-090 3100 TO SGD VORTAC 090-180 5100, 180-270 3800, 270-090 4200 – DECOMMISSIONING OF CCR VOR AND FPT REQUEST FOR MSA BE EVALUATED OFF OF SGD VORTAC.
10. NOTES: CHART NOTE CHANGED FROM: “*FOR INOPERATIVE ALS, INCREASE S-19R CATS C/D VISIBILITY TO 1 1/8 SM” TO “CHART NOTE: *FOR INOPERATIVE ALS, INCREASE S-19R CATS C/D VISIBILITY TO 1 3/8 SM” - IAW 8260.19K O3(D).
11. NOTES: CHART NOTE CHANGED FROM: “FOR INOPERATIVE ALS, INCREASE S-19R CATS C/D VISIBILITY TO 2 SM” TO “CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-19R CATS C/D VISIBILITY TO 2 1/2 SM” - IAW 8260.19K O3(D).
12. ADDITIONAL FLIGHT DATA: ADDED: FAC CROSSES RWY C/L EXTENDED 4 FEET FROM THLD - IAW 8260.19K 8-6-11G 2.
13. ADDITIONAL FLIGHT DATA: NOTE CHANGED FROM HOLD NE, RT, 223.64 INBOUND TO HOLD N, RT, 195.00 INBOUND – DUE TO CCR VOR DECOMMISSIONING AND NEW HOLD PATTERN.
14. ADDITIONAL FLIGHT DATA: NOTE CHANGED FROM CHART FAS OBST: 319 TREE 380207N/1220132W TO CHART FAS OBST: 153 TOWER (06-224144) 380138N/1220247W - NEW CONTROLLING OBSTACLE.
15. ADDITIONAL FLIGHT DATA: NOTE CHANGED FROM CHART VDP AT 1.90 DME TO CHART VDP AT 1.36 DME – RELOCATION OF FAF AND FAF ALTITUDE CHANGE FROM 1300 TO 1400.
16. ADDITIONAL FLIGHT DATA: NOTE CHANGED FROM DISTANCE VDP TO THLD 1.24 NM TO DISTANCE VDP TO THLD 1.36 NM - RELOCATION OF FAF AND FAF ALTITUDE CHANGE FROM 1300 TO 1400.
17. ADDITIONAL FLIGHT DATA: NOTE CHANGED FROM CHART PLANVIEW NOTE: LOC OFFSET 5.76 TO CHART PLANVIEW NOTE: LOC OFFSET 5.77 - FAC UPDATED IN EVALUATION AND IAW 8260.19K 8260.19K 8-6-11G 1.
18. ADDITIONAL FLIGHT DATA: DELETED CHART CIRCLING ICON NOTE – NO LONGER REQUIRED BY CRITERIA.
19. MINIMUMS: ALTERNATE MINIMUMS UPDATED FROM STANDARD - CAT C 1000-2 3/4, CAT D 1300-3, NA WHEN CONTROL TOWER CLOSED TO STANDARD - CAT C 1000-2 3/4, CAT D 1400-3, NA WHEN CONTROL TOWER CLOSED – IAW 8260.19K 8-6-12(B)5.
20. S-19* MINIMUMS UPDATED FROM CAT MDA 440/HAT 418 ALL CATS TO MDA 460/HAT 438 - NEW CONTROLLING OBSTACLE.
21. S-19 MINIMUMS UPDATED FROM CAT MDA 780/HAT 758 ALL CATS TO MDA 800/HAT 778 AND CATS C AND D VISIBILITY UPDATED FROM 1 7/8 TO 2 - NEW CONTROLLING OBSTACLE.
22. CIRCLING MINIMUMS UPDATED FROM CATS A AND B MDA 780/HAA 754 TO MDA 800/HAA 774, CAT D FROM MDA 1300/HAA 1274 TO MDA 1340/HAA 1314 - NEW CONTROLLING OBSTACLES.

COORDINATED WITH:

A4A [X] **ALPA** [X] **AOPA** [X] **APA** [ ] **HAI** [ ] **NBAA** [X] **OTHER:** ZOA, SUU APP CON, CCR ATCT, AMGR

FLIGHT CHECKED BY	OFFICE	DATE

DEVELOPED BY	OFFICE	DATE
RALPH P. MILLER	AJV-A422	02/11/2026

APPROVED BY	OFFICE	DATE	TITLE
RAKE MCGRAW	AJV-A422	09/24/2026	MANAGER

QUALITY 20 CHECKED

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

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
CCR	LDA RWY 19R	10	CONCORD	CA	26	I-CCR

PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

FROM
REJOY INT/SAC 19.58 DME

TO
JOANS INT/I-CCR 11.89 DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS
	10.04				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
WINDMILL (06-260884)	380754.16N/1214631.47W	799	250	50	4D	1000				AT201	2000
TERRAIN	381206.00N/1215815.00W	433 (400)								AS1500	1900

COMPUTATIONS

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

SEGMENT REMARKS:

INTERMEDIATE

FROM
JOANS INT/I-CCR 11.89 DME

TO
ZUKOP INT/I-CCR 8.03 DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS
	3.86				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	381003.00N/1215515.00W	558	215	8	4B	500				AT442	1500
TERRAIN	380836.00N/1215421.00W	95 (100)								AS1000	1100

COMPUTATIONS

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

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
CCR	LDA RWY 19R	10	CONCORD	CA	26	I-CCR

INTERMEDIATE: STEPDOWN

FROM
ZUKOP INT/I-CCR 8.03 DME

TO
KTLIN/I-CCR 4.30 DME/RADAR

RNP	DISTANCE	PAT	MAP	HAT	HMAS
	3.73				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	380309.00N/1220218.00W	220	215	8	4B	500				AT680	1400
TERRAIN	380309.00N/1220218.00W	19 (0)								AS1000	1000

COMPUTATIONS

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

SEGMENT REMARKS:

INTERMEDIATE: PT

FROM
10 NM

TO
ZUKOP INT/I-CCR 8.03 DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS
	10.00				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	381003.00N/1215515.00W	558	215	8	4B	500				AT442	1500
TERRAIN	381206.00N/1215815.00W	433 (400)								AS1000	1400

COMPUTATIONS

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

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
CCR	LDA RWY 19R	10	CONCORD	CA	26	I-CCR

INTERMEDIATE: PT STEPDOWN

FROM
ZUKOP INT/I-CCR 8.03 DME

TO
KTLIN/I-CCR 4.30 DME/RADAR

RNP	DISTANCE	PAT	MAP	HAT	HMAS
	3.73				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	380309.00N/1220218.00W	220	215	8	4B	500				AT680	1400
TERRAIN	380309.00N/1220218.00W	19 (0)								AS1000	1000

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL

FROM
KTLIN/I-CCR 4.30 DME/RADAR

TO
3.63 NM AFTER KTLIN/I-CCR 4.30 DME/RADAR OR AT I-CCR 0.67 DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS
	3.63		3.63 NM AFTER KTLIN/I-CCR 4.30 DME/RADAR OR AT I-CCR 0.67 DME	778	

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (06-224144)	380138.23N/1220246.50W	153	20	3	1A	250				MA397	800

COMPUTATIONS

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

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
CCR	LDA RWY 19R	10	CONCORD	CA	26	I-CCR

FINAL

FROM	TO
KTLIN/I-CCR 4.30 DME/RADAR	3.63 NM AFTER KTLIN/I-CCR 4.30 DME/RADAR OR AT I-CCR 0.67 DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS
	3.63		3.63 NM AFTER KTLIN/I-CCR 4.30 DME/RADAR OR AT I-CCR 0.67 DME	438	

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (06-224144)	380138.23N/1220246.50W	153	20	3	1A	250				MA48	460

COMPUTATIONS

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

SEGMENT REMARKS:

ENTRY ZONE

FROM	TO
KTLIN/I-CCR 4.30 DME/RADAR	10 NM

RNP	DISTANCE	PAT	MAP	HAT	HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	375854.00N/1215609.00W	1634	215	8	4B	1000				PR160	2800
TERRAIN	375854.00N/1215609.00W	1433 (1400)								AS1000	2400

COMPUTATIONS

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

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
CCR	LDA RWY 19R	10	CONCORD	CA	26	I-CCR

PROCEDURE TURN

FROM
KTLIN/I-CCR 4.30 DME/RADAR

TO
10 NM

RNP	DISTANCE	PAT	MAP	HAT	HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	380739.00N/1220800.00W	1306	215	8	4B	1000					2400
TERRAIN	380739.00N/1220800.00W	1105 (1100)								AS1500	2600

COMPUTATIONS

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

SEGMENT REMARKS:

MISSED APPROACH

FROM
3.63 NM AFTER KTLIN/I-CCR 4.30 DME/RADAR OR AT I-CCR 0.67 DME

TO
REJOY/SAC VORTAC 19.58 DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS
					550

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE	375709.00N/1220806.00W	1208	215	8	4B		ASC				3000
AAO	375912.00N/1215633.00W	1444	215	8	4B	1000					2500
TERRAIN	375912.00N/1215633.00W	1243 (1200)								AS1500	2700

COMPUTATIONS

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

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
CCR	LDA RWY 19R	10	CONCORD	CA	26	I-CCR

MISSED APPROACH

FROM
3.63 NM AFTER KTLIN/I-CCR 4.30 DME/RADAR OR AT I-CCR 0.67 DME

TO
REJOY/SAC VORTAC 19.58 DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS
*					550

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	375709.00N/1220806.00W	1208	215	8	4B		ASC	282	1800		3000
AAO	375912.00N/1215633.00W	1444	215	8	4B	1000					2500
TERRAIN	375912.00N/1215633.00W	1243 (1200)								AS1500	2700

COMPUTATIONS

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

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											
BUILDING (06-002187)	375828.87N/1220154.21W	1.30	774	283	20	3	1A	300		SI	800
CATEGORY B											
BUILDING (06-002187)	375828.87N/1220154.21W	1.81	774	283	20	3	1A	300		SI	800
CATEGORY C											
TERRAIN (06-224158)	380140.81N/1220052.90W	2.84	934	622	20	10	1B	300		XP38	960
CATEGORY D											
AAO	375548.00N/1220615.00W	3.73	1314	1021	215	8	4B	300			1340

CIRCLING REMARKS:

XP=MATCH CURRENT MINS

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
CCR	LDA RWY 19R	10	CONCORD	CA	26	I-CCR

MSA

CENTER	RADIUS
SGD VORTAC	25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
090-180	AAO	375254.00N/1215454.00W	112	28.1	4036	215	8	4B	1000			5100
180-270	AAO	375527.00N/1223551.00W	198	18.6	2776	215	8	4B	1000			3800
270-090	AAO	383821.00N/1223151.00W	328	28.5	3163	215	8	4B	1000			4200

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

SUITABLE ALTERNATE MISSED APPROACH NOT AVAILABLE DUE TO OBSTACLE ENVIRONMENT AND AIRSPACE CONSTRAINTS.

CIRCLING WEST OF RWY 1L-19R NA TO AVOID HIGH TERRAIN AND ACHIEVE BEST MINIMUMS.

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

TRAVIS APP CON, CCR TOWER, ZOA ARTCC

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ASOS	CCR	24	CCR		Y	0

BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS

WX REMARKS:

AIRPORT HAS REDUNDANT WEATHER REPORTING. BACK-UP ALTIMETER SOURCE NOT REQUIRED.

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
I-CCR	CCR ATCT	TOWER OPEN	1
		TOWER CLOSED	3

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
CCR	LDA RWY 19R	10	CONCORD	CA	26	I-CCR

APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW01R	BSC-G	
RW14R	BSC-G	
RW19L	BSC-G	
RW32L	BSC-G	
RW14L - MIRL	NPI-G	
RW32R - MIRL, REIL, PAPI-4R (PCL)	NPI-G	
RW01L - HIRL, REIL, PAPI-4L (PCL)	PIR-G	
RW19R - MALS (PCL), HIRL, PAPI-4L (PCL)	PIR-G	

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
3.47	22.3	40.0			3.00	21.7

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD [ ] 4 FT FROM THRESHOLD DISPLACED THRESHOLD DISTANCE 601

ON CENTERLINE [X] FT FROM CENTERLINE

CRITICAL TEMPERATURES

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA

CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	CIRCLING RWY 01L
20:1	
77 TREE (06-225801) 375846.3400N/1220348.6200W (10.58)	55 TREE (06-225567) 375849.4500N/1220346.0100W (7.17)
73 TREE (06-224931) 375845.9500N/1220348.7700W (4.53)	102 TREE (06-223601) 375840.9100N/1220352.3000W (4.51)
68 TREE (06-224026) 375845.6900N/1220345.7000W (3.23)	64 TREE (06-224854) 375846.8200N/1220346.4900W (3.21)
80 TREE (06-225907) 375842.1500N/1220344.2300W (1.16)	90 TREE (06-223713) 375841.9200N/1220350.4300W (0.19)
FINAL TYPE	CIRCLING RWY 01R
20:1	
	102 TREE (06-225527) 375847.8300N/1220333.2300W (18.06)
24 VEHICLE ON ROADWAY (06-226163) 375859.3600N/1220328.9300W (0.4)	
FINAL TYPE	CIRCLING RWY 19L
20:1	
97 POLE (06-039723) 375940.5246N/1220303.6236W (2.58)	100 TREE (06-224740) 375941.1300N/1220302.8800W (1.59)
24 VEHICLE ON ROADWAY (06-223846) 375928.4300N/1220313.0100W (0.67)	

FINAL TYPE	CIRCLING RWY 32L	
20:1		
98 CONTROL_TOWER (06-041637) 375908.9900N/1220319.0500W (28.67)		95 ANTENNA (06-224133) 375909.0600N/1220318.8500W (25.63)
84 TOWER (06-024503) 375908.9900N/1220319.0600W (14.69)		24 SIGN (06-224305) 375918.8800N/1220320.0800W (1.28)
FINAL TYPE	CIRCLING RWY 32R	
20:1		
115 VEHICLE ON ROADWAY (06-226078) 375904.4000N/1220304.7800W (68.9)		44 VEHICLE ON ROADWAY (06-224200) 375905.8300N/1220304.2900W (3.51)
40 VEHICLE ON ROADWAY (06-040370) 375906.6800N/1220304.0400W (2.91)		77 TREE (06-041632) 375900.0600N/1220259.6000W (2.01)
FINAL TYPE	STRAIGHT-IN RWY 19R	
34:1		
		98 TREE (06-223854) 375957.0800N/1220306.1000W (9.14)
95 TREE (06-225477) 375955.3800N/1220303.4400W (8.28)		78 TREE (06-041703) 375951.3900N/1220308.4200W (6.85)
40 VEHICLE ON ROADWAY (06-223454) 375939.5600N/1220313.6200W (6)		40 VEHICLE ON ROADWAY (06-223483) 375939.7900N/1220313.8000W (5.54)
40 VEHICLE ON ROADWAY (06-224604) 375939.9500N/1220313.7500W (5.06)		40 VEHICLE ON ROADWAY (06-223509) 375940.7200N/1220314.3500W (3.52)
40 VEHICLE ON ROADWAY (06-225106) 375941.0600N/1220314.7100W (2.94)		40 VEHICLE ON ROADWAY (06-224573) 375941.1100N/1220314.8400W (2.92)
40 VEHICLE ON ROADWAY (06-223995) 375941.6300N/1220315.1400W (1.78)		91 TREE (06-223747) 375957.0700N/1220305.6400W (1.74)
88 TREE (06-225067) 375955.5200N/1220304.2600W (1.67)		87 TREE (06-224651) 375955.5900N/1220304.4300W (0.64)
55 LIGHTING (06-223953) 375946.7300N/1220312.3800W (0.28)		40 VEHICLE ON ROADWAY (06-223690) 375942.4100N/1220315.6500W (0.14)
PENETRATIONS REMARKS:		

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

40 FT MAX VEGETATION HEIGHT USED.

WAIVER: MISSED APPROACH CLIMB GRADIENT PUBLISHED TO ACHIEVE THE BEST POSSIBLE MINIMUMS FOR HIGH PERFORMANCE AIRCRAFT.

ORDER 8260.3 CHAPTER 2 APPLIED TO 227 AAO 380242.00N/1220133.00W.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
CCR	LDA RWY 19R	10	CONCORD	CA	26	I-CCR

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**	2.96
WIDTH OF	FINAL	**SEGMENT AT 1000FT POINT**	0.86
TRUE COURSE OF	FINAL	**SEGMENT CONTAINING 1000FT POINT**	197.76
HIGH TERRAIN IN	FINAL	**SEGMENT CONTAINING 1000FT POINT**	200
DISTANCE FROM	FACILITY	**TO 1500FT POINT**	6.2
WIDTH OF	INTERMEDIATE	**SEGMENT AT 1500FT POINT**	4.80
TRUE COURSE OF	INTERMEDIATE	**SEGMENT CONTAINING 1500FT POINT**	197.76
HIGH TERRAIN IN	INTERMEDIATE	**SEGMENT CONTAINING 1500FT POINT**	0

THRESHOLD COORDINATES (IF STR-IN)	375934.92N/1220318.85W
ARP COORDINATES	375922.76N/1220324.85W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 1L DISTANCE 0.51 NM
FAF COORDINATES	380302.59N/1220154.71W
FIX NAME COORDINATES	

REMARKS

THLD DISPLACED 601FT, ACTUAL COORDINATES: 375940.36N/1220315.86W

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
RALPH P. MILLER	AJV-A422	02/11/2026	AERONAUTICAL INFORMATION SPECIALIST