

Copy

Aircraft Accident Package

22-002-CDW

ZIPP40, B407

June 04, 2022, 1604 UTC

Destroy: June 04, 2027 UTC

SECTION 1.
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SECTION 2.

FAA Form 8020-6, Report of Aircraft Accident, and
FAA Form(s) 8020-6-1, Report of Aircraft Accident (Continuation Sheet)

FAA Form 8020-6, Report of Aircraft Accident

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION REPORT OF AIRCRAFT ACCIDENT				REPORT DATE June 7, 2022		REPORT NO. 22-002-CDW	
				NAME OF REPORTING FACILITY Caldwell-Essex ATCT (CDW)			
1. AIRCRAFT IDENTIFICATION AND TYPE ZIPP40, B407		2. DATE/TIME OF ACCIDENT (UTC) June 4, 2022; 1604 UTC		3. LOCATION OF ACCIDENT: CITY, STATE (MAND) Fairfield, NJ			
4. NATURE OF ACCIDENT Crashed North of Runway 28 in the grass area.				LATITUDE/LONGITUDE (OPTL) N40 52 32.6500 W074 16 36.7100			
				5. TYPE OF FLIGHT No Flight Plan			
6. FLIGHT CREW	NAME	POSITION	ADDRESS (CITY AND STATE)	UNINJURED	INJURED	FATALITY	UNKNOWN
	Joshua Pritchard	Pilot	Marietta, GA		X		
7. PASSENGER DATA		NUMBER ABOARD 0	NUMBER UNINJURED 0	NUMBER INJURED 0	NUMBER FATALITIES 0		
8. AIRCRAFT DAMAGE Destroyed				9. PROPERTY DAMAGE Unknown			
10. OPERATING STATUS OF NAVIGATIONAL AIDS/LIGHTS/COMMUNICATIONS Normal							
11. WEATHER DATA (USE UTC DATE/TIME)	REPORT JUST PRIOR TO ACCIDENT CALDWELL METAR - 1553 UTC: wind variable at five, visibility one zero statute miles, clear, temperature two six, dew point nine, altimeter two nine eight nine						
	FIRST REPORT SUBSEQUENT TO ACCIDENT CALDWELL METAR - 1605 UTC: wind two six zero at five, visibility one zero statute miles, clear, temperature two six, dew point nine, altimeter two nine eight eight						
12. ATO PERSONNEL INVOLVED	NAME	FACILITY	OPERATING POSITION	CHECK IF EYEWITNESS			
	Johnatan Arturo Torrico Crespo *(JT)	CDW ATCT	LC LC				
	David Matthew Myers (IO)	CDW ATCT	LC LC				
	Matthew R. Donica (MD)	CDW ATCT	GC GC				
	Kristina A. Copeman (KC)	CDW ATCT	OS-CIC CI				
*OPERATING INITIALS							
13. SIGNATURE OF FACILITY MANAGER Monica de Rojas							

FAA Form 8020-6 (4-17) Supersedes Previous Edition

Electronic Version

22-002-CDW

ZIPP40



DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
REPORT OF AIRCRAFT ACCIDENT
(Continuation Sheet)

REPORT DATE

June 29, 2022

REPORT NO.

22-002-CDW

NAME OF REPORTING FACILITY

New York TRACON (N90)

14. CHRONOLOGICAL SUMMARY OF FLIGHT

June 04, 2022

ALL TIMES BELOW ARE COORDINATED UNIVERSAL TIME
UNLESS OTHERWISE SPECIFIED

New York TRACON did not provide any services to ZIPP40. Radar data from 1518 to 1632 UTC has been retained in support of the Accident Package.

No More Follows



DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
REPORT OF AIRCRAFT ACCIDENT
(Continuation Sheet)

REPORT DATE

June 13, 2022

REPORT NO.

22-002-CDW

NAME OF REPORTING FACILITY

Teterboro ATCT (TEB)

14. CHRONOLOGICAL SUMMARY OF FLIGHT
June 04, 2022

ALL TIMES BELOW ARE COORDINATED UNIVERSAL TIME
UNLESS OTHERWISE SPECIFIED

- 1549 ZIPP40 checks in from the West over the Great Notch requesting a Class-D airspace transition over Route-3 for a checkout to the East. The controller issues a current altimeter setting, has ZIPP40 squawk discrete, and instructs the helicopter to maintain at or below 1000 feet. Positive readback obtained.
- 1551 ZIPP40 reached the TEB Class-D airspace boundary on the East side, and the controller issues traffic advisories for indicated traffic in the vicinity of the Hudson River. ZIPP40 reports traffic in sight, and services are then terminated with a frequency change approval by the controller.
- 1553 ZIPP40 checks back onto TEB Tower frequency 119.5 requesting to turn around and proceed direct to Essex-Caldwell County Airport (CDW) airport. The controller approves the requests, and asks ZIPP40 if they require assistance, in which the pilot advised not at this moment.
- 1554 The controller advised ZIPP40 that their altitude appeared low for their location, and suggested they climb to meet height restrictions. ZIPP40 advised they were fine.
- 1555 ZIPP40 frequency changed to CDW Tower on 119.8, with a positive acknowledgement.

No More Follows



DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
REPORT OF AIRCRAFT ACCIDENT
(Continuation Sheet)

REPORT DATE

June 06, 2022

REPORT NO.

22-002-CDW

NAME OF REPORTING FACILITY

Caldwell-Essex ATCT (CDW)

14. CHRONOLOGICAL SUMMARY OF FLIGHT
June 04, 2022

ALL TIMES BELOW ARE COORDINATED UNIVERSAL TIME
UNLESS OTHERWISE SPECIFIED

1555 ZIPP40 (N98ZA) establishes initial contact with Caldwell (CDW) Tower.
The Local Controller (LC) responds to ZIPP40 and issues the altimeter.

1556 ZIPP40 advises the tower that he is tracking Route 3 inbound and that he
may need the runway. The LC advises ZIPP40 to continue inbound, to
report two (2) miles out, and to expect Runway (RWY) 28.

1557 ZIPP40 responds that he will expect RWY28 and call two (2) out.

1559 The LC issues ZIPP40 the wind and landing clearance on the numbers of
RWY28. The LC reissues the instructions and ZIPP40 acknowledges.

1601 ZIPP40 crashes into the grass area north of RWY28.

No More Follows

SECTION 3.
Review of Services Memoranda



Federal Aviation Administration

Memorandum

Date: June 29, 2022

To: Caldwell-Essex Airport Traffic Control Tower
Aircraft Accident File 22-002-CDW

John A. Marconi, Acting Manager, [REDACTED]
From: New York Terminal Radar Approach Control Facility, N90 TRACON

Subject: **INFORMATION**: Review Of Services Memo
Aircraft Accident, ZIPP40
Fairfield, NJ, June 04, 2022

N90 TRACON conducted a review of services concerning ZIPP40 and was determined to have provided no services but does have air traffic data. As a facility with air traffic data I certify the following data has been retained in accordance with FAA Order 8020.16. Additionally, I certify that the following originals/digital copies of the original are on file in this office.

Continuous Data Recording (CDR)
FAA Form 8020-6-1
STARS Adaptation File
Falcon Bookmark
TRACON Plot Playback File (PPB)
ATC Plot



Federal Aviation Administration

Memorandum

Date: June 13, 2022

To: Caldwell-Essex Airport Traffic Control Tower
Aircraft Accident File 22-002-CDW

From: Jason L Beim, Manager, [REDACTED]
Teterboro Airport Traffic Control Tower, TEB ATCT

Subject: **INFORMATION:** Review Of Services Memo
Aircraft Accident, ZIPP40
Fairfield, NJ, June 04, 2022

TEB ATCT conducted a review of services concerning ZIPP40 and was determined to have routine services. As a supporting facility with routine services I certify the following data has been retained in accordance with FAA Order 8020.16. Additionally, I certify that the following originals/digital copies of the original are on file in this office.

Airport Diagram
Certified Original Copy(ies) of Voice Recording(s)
Certified Working Copy(ies) of Voice Recording(s)
FAA Form 8020-6-1
Flight Progress Strip(s)
System Service Review
DALR Incident Export Files



Federal Aviation Administration

Memorandum

Date: June 06, 2022

To: Caldwell-Essex Airport Traffic Control Tower
Aircraft Accident File 22-002-CDW

Monica de Rojas, Manager, [REDACTED]
From: Caldwell-Essex Airport Traffic Control Tower, CDW ATCT

Subject: **INFORMATION**: Review Of Services Memo
Aircraft Accident, ZIPP40
Fairfield, NJ, June 04, 2022

CDW ATCT conducted a review of services concerning ZIPP40 and was determined to have pertinent services. As the holding facility with pertinent services I certify the following data has been retained in accordance with FAA Order 8020.16. Additionally, I certify that the following originals/digital copies of the original are on file in this office.

Airport Diagram
Certified Original Copy(ies) of Voice Recording(s)
Certified Working Copy(ies) of Voice Recording(s)
FAA Form 7230-10
FAA Form 7230-4
FAA Form 8020-3
FAA Form 8020-6
FAA Form 8020-6-1
FAA Form 8020-9
Facility Layout Chart(s)
Mandatory Occurrence Report
Personnel Log(s)
Weather Data
Falcon Bookmark
DALR Incident Export Files
UTC Time Conversion Chart
Pre-Duty Weather Briefing Product(s)
Pre-Duty Weather Completion Log(s)

SECTION 4.

FAA Form(s) 7230-4, Daily Record of Facility Operation

DAILY RECORD OF FACILITY OPERATION				PAGE NO Page 1 of 2
				DATE Jun 4, 2022
				CHECKED BY ME
LOCATION	IDENTIFICATION	TYPE FACILITY	OPERATING POSITION	AIR TRAFFIC MANAGER
Fairfield, NJ	CDW	ATCT	OS/CIC	Monica L. De Rojas
UTC TIME	REMARKS			
1100	CFPL: CRASH PHONE NOT WORKING. NO RING TONE--ES NOTIFIED CFPL: CDW 01/047 5G IMPLEMENTATION. CFPL: GROUND CONTROL FREQUENCY (121.9) IS EXPERIENCING INTERMITTENT TONES AND STATIC. SWITCHING FROM MAIN TO STANDBY SOMETIMES HELPS, BUT NOISE OCCURS ON BOTH SETTINGS. CFPL: TWY G CLSD TWY D CLSD BTN TXL H AND TWY P TWY P CLSD BTN TWY D AND RWY 04 CFPL: CDW NAV ILS RWY 22 LOC U/S 2205271407-2206112359EST CFPL: MAIN AIR CONDITIONING UNIT IN TOWER IS INTERMITTENT, NOTIFIED TECH OPS (RB). RNAV RWY4 APCH IN USE. LND RWY4. DEP RWY4 AND RWY28. K. COPEMAN ON. RL3 CLEANING COMPLETE. WCLC. -- KC			
1208	D. MYERS ON. -- KC			
1300	K. COPEMAN ON. CRASH SIREN/CRASH PHONE CHECK COMPLETE. -- KC			
1426	D. MYERS ON. -- KC			
1459	K. COPEMAN ON. -- KC			
1609	AIRCRAFT ACCIDENT N68ZA. AIRPORT CLOSED UNTIL FURTHER ADVISED -- IO			
1615	D. MYERS ON. -- IO			
1624	CDW-M-2022/06/04-0001 -- N98ZA -- IO			
1747	C. HUTSON ON. -- IO			
1851	A. CHARLES ON. -- PC			
1931	C. HUTSON ON. -- AZ			
2057	A. CHARLES ON. -- PC			
I CERTIFY that entries above are correct, that all scheduled operations have been accomplished except as noted, and that all abnormal occurrences and conditions have been recorded.		SIGNATURE(S) OF WATCH SUPERVISOR(S) 		

FAA Form 7230-4

DAILY RECORD OF FACILITY OPERATION				PAGE NO Page 2 of 2
				DATE Jun 4, 2022
LOCATION	IDENTIFICATION	TYPE FACILITY	OPERATING POSITION	CHECKED BY ME
Fairfield, NJ	CDW	ATCT	OS/CIC	AIR TRAFFIC MANAGER Monica L. De Rojas
UTC TIME	REMARKS			
2144	C. HUTSON ON. -- AZ			
2206	APT OPEN. RNAV GPS RWY 04 APCH IN USE. LND RWY 04. DEPT RWY 04 AND 28. -- PC			
2229	A. CHARLES ON. -- PC			
2359	C. HUTSON ON. -- AZ			
0100	A. CHARLES ON. -- PC			
0131	C. HUTSON ON. -- AZ			
0300	COB. -- PC			
I CERTIFY that entries above are correct, that all scheduled operations have been accomplished except as noted, and that all abnormal occurrences and conditions have been recorded.		SIGNATURE(S) OF WATCH SUPERVISOR(S) 		

FAA Form 7230-4

SECTION 5.
Personnel Log(s)



Federal Aviation Administration

Memorandum

Date: June 6, 2022

To: Aircraft Accident File 22-002-CDW



From: Monica de Rojas
Air Traffic Manager, Caldwell Airport Traffic Control Tower

Subject: **INFORMATION**: Personnel Log Amendment
Aircraft Accident, ZIPP40
Essex-Caldwell Airport, NJ , June 4, 2022

I certify that the following personnel were not scheduled to work on June 4, 2022:

Mark Barwicki
Adam Bishop
Christopher Hall
John Hannon
Jermaine London
Umeshchand Mohan
Gary Saladine
Michael Treadway

ART - Sign On Log

6/6/2022 8:34:27 AM

CDW

Selected Report Dates: 6/3/2022 10:00:00 PM - 6/4/2022 10:00:00 PM

OPINIT	NAME	SHIFT/TYPE	SIGN- IN	SIGN - OUT	LV	OJT	CIC	TOS
KC	COPEMAN, KRISTINA	06:45-14:45/R	06:30:00	14:45:00			4+9	0+15
	REMARKS							
XS	BISHOP, ADAM	07:00-15:00/R	07:00:00	15:00:00	8+0			
	REMARKS							
TM	TREADWAY, MICHAEL R	07:00-15:00/R	07:00:00	15:00:00	8+0			
	REMARKS							
MD	DONICA, MATTHEW	07:30-15:30/R	06:30:00	15:30:00				1+0
	REMARKS							
IO	MYERS, DAVID M.	07:55-17:55/R	07:55:00	17:05:00	0+50			
	REMARKS							
ZB	BADER, ZYADE	11:00-19:00/R	10:45:00	21:00:00				2+15
	REMARKS							
KM	MOHAN, UMESHCHAND	11:00-19:00/R	11:00:00	19:00:00	8+0			
	REMARKS							
JT	TORRICO CRESPO, JOHNATAN A.	11:00-19:00/R	10:56:00	15:40:00	3+20			0+4
	REMARKS							
AZ	CHARLES, ALVIN J.	14:00-22:00/R	14:00:00	22:00:00			3+29	
	REMARKS							
PC	HUTSON, CORY M	15:00-23:00/R	13:36:00	23:15:00			5+44	1+39
	REMARKS							

22-002-CDW
ZIPP40

SECTION 6.

FAA Form(s) 7230-10, Position Log, or automated equivalent

Position Log						
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) Pos	(4) DATE			
CDW	LC	LC	6/4/22			
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	Where Combined		
				(9) POSITION IDENTIFIER	(10) Position Type	
11:00	KC	12:07	C			
12:08	IO	12:55	S			
12:56	IO	13:42	S			
13:43	MD	15:00	C			
15:01	IO	16:03	S			
15:01	JT	16:03	R			
16:04	IO	16:14	S			
16:15	ZB	18:05	C			
18:06	AZ	18:50	C			
18:51	ZB	20:13	C			
20:14	AZ	20:56	C			
20:57	ZB	22:28	C			
22:29	PC	23:13	C			
23:14	ZB	00:44	C			

CODE:

C - ATCS/ATA

S - Supervisor/Staff Spec.

T - Trainee/Developmental

M - Trainee/ Developmental Monitoring

R - Trainee/ Developmental Certification/ Evaluation

[illegible][illegible][illegible]

Position Log					
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) Pos	(4) DATE		
CDW	GC	GC	6/4/22		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	Where Combined (9) POSITION IDENTIFIER	(10) Position Type
11:00	MD	11:29	C		
11:30	MD	12:54	C		
12:55	KC	12:55	C		
12:56	KC	14:25	C		
14:26	IO	14:48	S		
14:49	ZB	14:59	C		
15:00	ZB	15:21	C		
15:22	KC	15:58	C		
15:59	MD	16:46	C		
16:47		22:28		LC	LC
22:29	AZ	23:58	C		
23:59	PC	00:45	C		
00:46		03:00		CD	CD

CODE:

C - ATCS/ATA

S - Supervisor/Staff Spec.

T - Trainee/Developmental

M - Trainee/ Developmental Monitoring

R - Trainee/ Developmental Certification/ Evaluation

[illegible][illegible][illegible]

22-002-CDW
ZIP40

Position Log					
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) Pos	(4) DATE		
CDW	OS/CIC	SC	6/4/22		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	Where Combined (9) POSITION IDENTIFIER	(10) Position Type
10:30		10:44		Closed	
10:45	KC	12:07	C		
12:08	IO	12:55	S		
12:56	KC	14:25	C		
14:26	IO	14:58	S		
14:59	KC	16:14	C		
16:15	IO	17:46	S		
17:47	PC	18:50	C		
18:51	AZ	19:31	C		
19:32	PC	20:56	C		
20:57	AZ	21:43	C		
21:44	PC	22:28	C		
22:29	AZ	23:58	C		
23:59	PC	00:59	C		

CODE:

C - ATCS/ATA

S - Supervisor/Staff Spec.

T - Trainee/Developmental

M - Trainee/ Developmental Monitoring

R - Trainee/ Developmental Certification/ Evaluation

Position Log					
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) Pos	(4) DATE		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	Where Combined (9) POSITION IDENTIFIER (10) Position Type	

CODE:
C - ATCS/ATA M - Trainee/ Developmental Monitoring
 S - Supervisor/Staff Spec. R - Trainee/ Developmental Certification/
 T - Trainee/Developmental Evaluation

FAA Form 7230-10 (6-94) NSN: 0052-00-024-6102 Electronic Version (OmniForm)

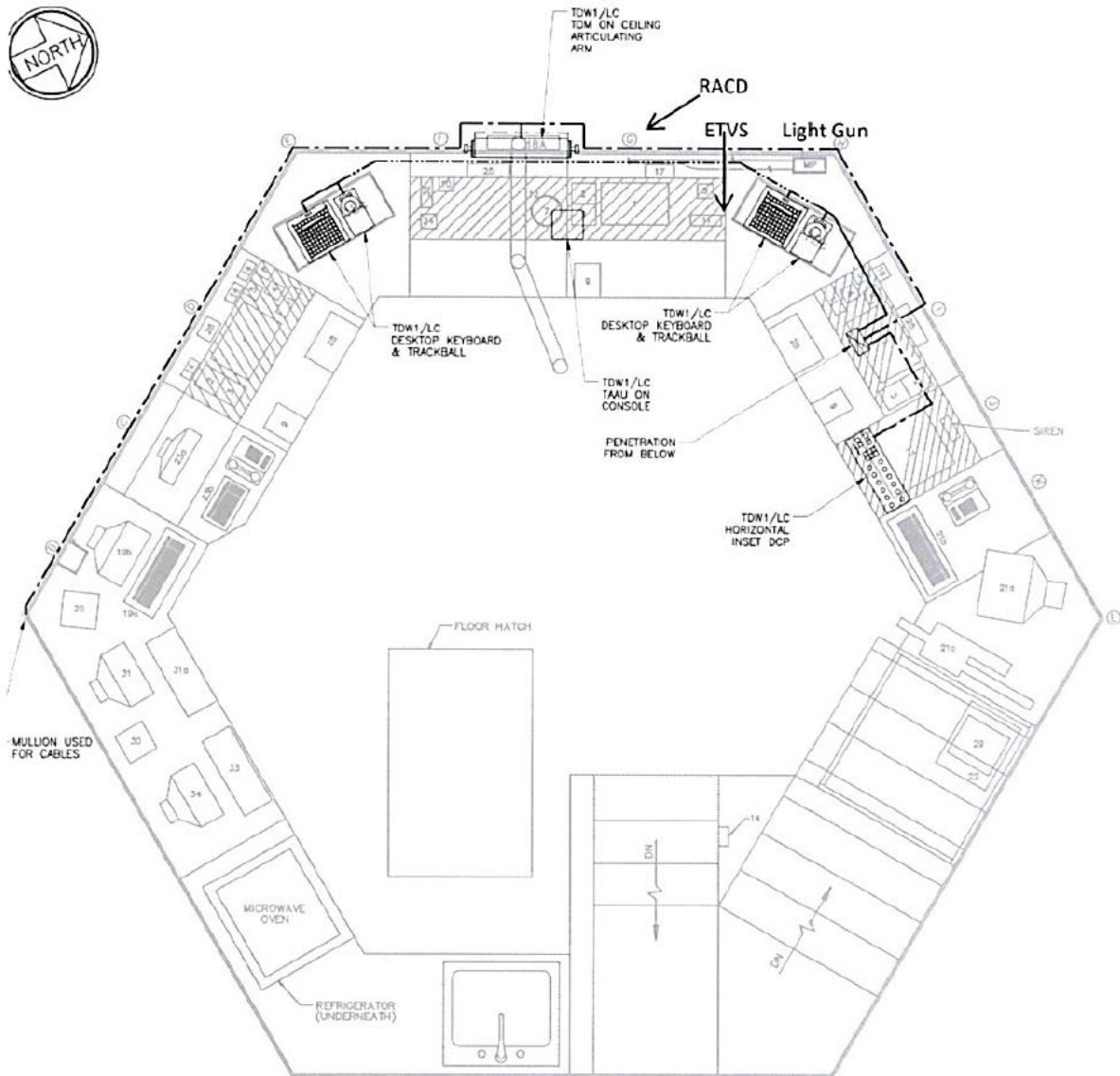
[illegible][illegible]

22-002-CDW
ZIP40

[illegible][illegible][illegible][illegible]

SECTION 7.
Facility Layout Chart(s)

CALDWELL AIR TRAFFIC CONTROL TOWER



SECTION 8.
Airport Diagram

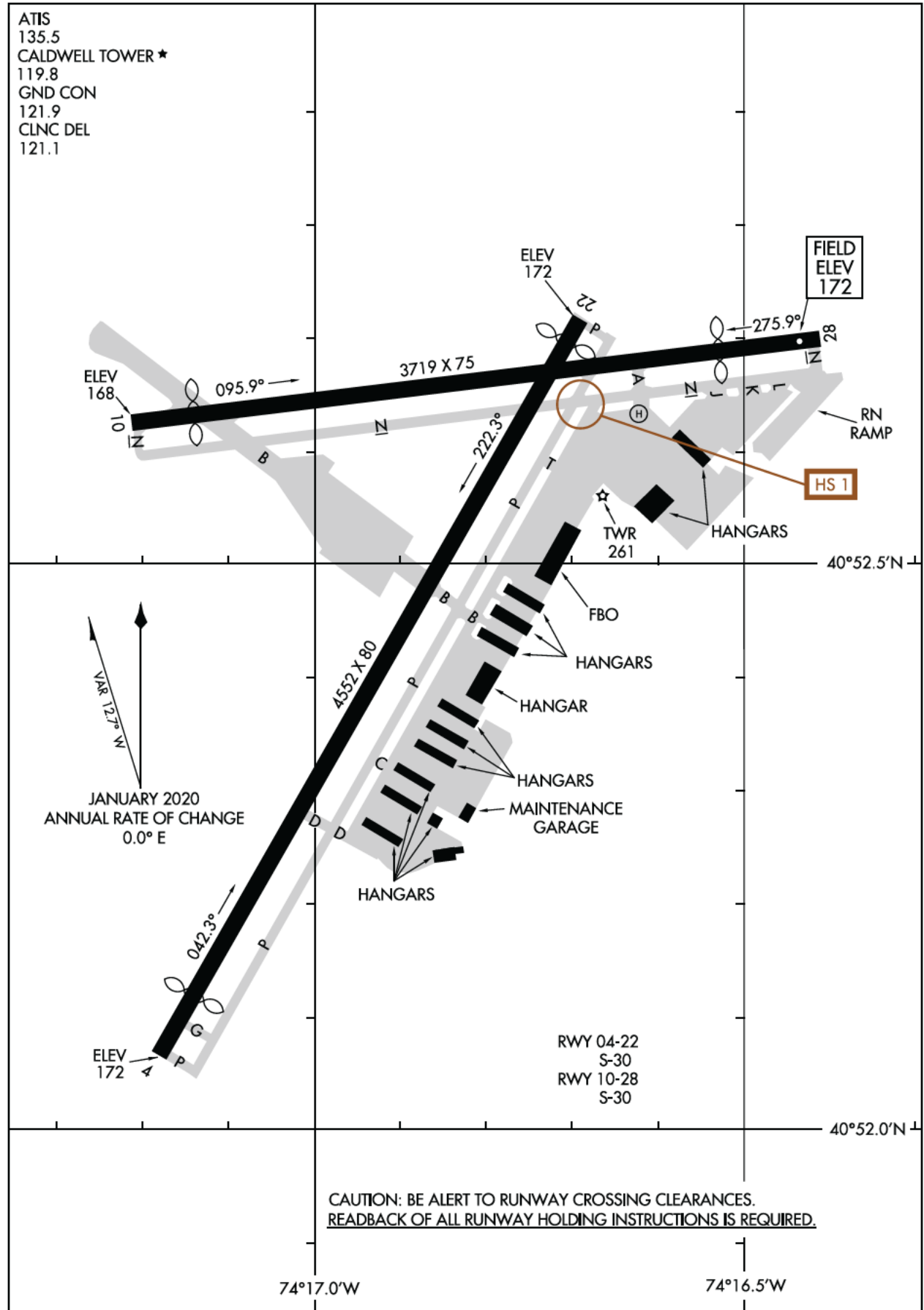
21336

AIRPORT DIAGRAM

AL-5275 (FAA)

ESSEX COUNTY (CDW)
CALDWELL, NEW JERSEY

ATIS
135.5
CALDWELL TOWER ★
119.8
GND CON
121.9
CLNC DEL
121.1



NE-2, 19 MAY 2022 to 16 JUN 2022

NE-2, 19 MAY 2022 to 16 JUN 2022

AIRPORT DIAGRAM

21336

22-002-CDW
ZIPP40CALDWELL, NEW JERSEY
ESSEX COUNTY (CDW)

SECTION 9.

FAA Form(s) 8020-3, Facility Accident/Incident Notification Record

FACILITY AIRCRAFT ACCIDENT/INCIDENT NOTIFICATION RECORD

Aircraft Identification
ZIPP40/N98ZA

Date
06/04/2022

Airport	
---------	--

CDW

The order and number of call will be determined by the situation involved.

[illegible]

Form Updated by (Name, Title, Facility):

Date: 04/18/22

Monica de Rojas, Air Traffic Manager, Caldwell Air Traffic Control Tower

SECTION 10.
Weather Products

Caldwell-Essex ATCT

Weather Products 6/4/2022 UTC

METAR KCDW 041553Z VRB05KT 10SM CLR 26/09 A2989 RMK AO2 SLP124 T02610094

METAR KCDW 041605Z 26005KT 10SM CLR 26/09 A2988 RMK AO2 T02610089

I certify the attached copy of the METARs originated from the APG-link to archived weather is an accurate copy of the original.

A redacted signature area consisting of two black rectangular boxes. A red scribble is visible between the two boxes.

monica derojas
Support Specialist
Newark ATCT

CDW PRE-DUTY WEATHER BRIEFING

DATE: 6/4/22

OPERATIONS SUPERVISOR

_____ HANNON, JOHN (OT)

_____ MYERS, DAVID (IO)

CONTROLLERS

_____ BADER, ZYADE (ZB)

_____ BARWICKI, MARK (MB)

_____ BISHOP, ADAM (XS)

_____ CHARLES, ALVIN (AZ)

_____ COPEMAN, KRISTINA (KC)

_____ DONICA, MATTHEW (MD)

_____ HALL, CHRISTOPHER (CH)

_____ HUTSON, CORY (PC)

_____ LONDON, JERMAINE (OG)

_____ MOHAN, UMESHCHAND (KM)

_____ SALADINE, GARY (GS)

_____ TORRICO CRESPO, JOHNATAN (JT)

_____ TREADWAY, MICHAEL (TM)

22-002-CDW
ZIPP40

SECTION 11.

Other

UTC (Zulu) Time Conversion Chart

UTC (Zulu)	PST/ ALDT	PDT/ MST	MDT/ CST	CDT/ EST	EDT/ AST	ALST	HST
0000*	1600	1700	1800	1900	2000	1500	1400
0100	1700	1800	1900	2000	2100	1600	1500
0200	1800	1900	2000	2100	2200	1700	1600
0300	1900	2000	2100	2200	2300	1800	1700
0400	2000	2100	2200	2300	0000*	1900	1800
0500	2100	2200	2300	0000*	0100	2000	1900
0600	2200	2300	0000*	0100	0200	2100	2000
0700	2300	0000*	0100	0200	0300	2200	2100
0800	0000*	0100	0200	0300	0400	2300	2200
0900	0100	0200	0300	0400	0500	0000*	2300
1000	0200	0300	0400	0500	0600	0100	0000*
1100	0300	0400	0500	0600	0700	0200	0100
1200	0400	0500	0600	0700	0800	0300	0200
1300	0500	0600	0700	0800	0900	0400	0300
1400	0600	0700	0800	0900	1000	0500	0400
1500	0700	0800	0900	1000	1100	0600	0500
1600	0800	0900	1000	1100	1200	0700	0600
1700	0900	1000	1100	1200	1300	0800	0700
1800	1000	1100	1200	1300	1400	0900	0800
1900	1100	1200	1300	1400	1500	1000	0900
2000	1200	1300	1400	1500	1600	1100	1000
2100	1300	1400	1500	1600	1700	1200	1100
2200	1400	1500	1600	1700	1800	1300	1200
2300	1500	1600	1700	1800	1900	1400	1300
2400	1600	1700	1800	1900	2000	1500	1400

The time *0000 and 2400 are interchangeable. The time 2400 is associated with the date of the day ending, and 0000 with the day just starting.

UTC = Coordinated Universal Time, or Zulu
PST = Pacific Standard Time (UTC - 8 hours)
ALDT = Alaskan Daylight Time (UTC - 8 hours)
PDT = Pacific Daylight Time (UTC - 7 hours)
MST = Mountain Standard Time (UTC - 7 hours)
MDT = Mountain Daylight Time (UTC - 6 hours)
CST = Central Standard Time (UTC - 6 hours)
CDT = Central Daylight Time (UTC - 5 hours)
EST = Eastern Standard Time (UTC - 5 hours)
EDT = Eastern Daylight Time (UTC - 4 hours)
AST = Atlantic Standard Time (UTC - 4 hours)
ALST = Alaskan Standard Time (UTC - 9 hours)
HST = Hawaiian Standard Time (UTC - 10 hours)