



HELICOPTER LIFT OPERATIONS SAFETY BRIEF CHECKLIST

PRIOR TO BEGINNING ANY HELICOPTER OPERATION A THOROUGH SAFETY BRIEF WILL BE CONDUCTED UTILIZING THE FOLLOW CHECKLIST:

- ☐ SAFETY BRIEF SIGN IN
- ☐ GHI CREW INTRODUCTION
- ☐ IS A TRANSLATOR REQUIRED
- ☐ WORK STOP AUTHORITY
- ☐ DESIGNATE A 911 CALLER
- ☐ IDENTIFY CLOSEST EMERGENCY MEDICAL SERVICES
- ☐ CREW FATIGUE AND HYDRATION
- ☐ HELICOPTER LIFT LIMITATIONS
- ☐ HAZMAT WILL OR WILL NOT BE CARRIED ON THE HOOK
- ☐ NON GHI EMPLOYEES WILL NOT APPROACH HELICOPTER WITH ROTORS ENGAGED
- ☐ HELICOPTER HAZARD AREA (TAIL/MAIN ROTOR)
- ☐ EFFECT OF ROTOR DOWN WASH ON LOAD

DUST MASK: BURN AREA, DUST, POLLEN EXPOSURE

- ☐ HELICOPTER DOOR REMOVAL AND FIRE EXTINGUISHER LOCATION
- ☐ PPE REQUIREMENTS (GLOVES, EYE PROTECTION, HARD HAT WITH CHIN STRAP)
- ☐ PILOT/GROUND CREW COMMUNICATIONS/ LOST COMMUNICATIONS

PROCEDURES

- ☐ POTENTIAL STATIC CHARGE CAUSED BY HELICOPTER
- ☐ SITE PLAN /FLIGHT PATH
- ☐ FALL, PINCH, CRUSH DANGER POINTS
- ☐ RIGGING OPERATIONS CONNECTING AND DISCONNECTING CRANE HOOK AND SPREADER BAR HOOK
- ☐ PROPER SECURING OF EQUIPMENT / TOOLS IN SUPER SACK AND ON LONG LINE
- ☐ STREET CLOSURE / EVACUATION USE DIAGRAM TO ENSURE ALL HOMES ARE CLEAR
- ☐ NO CELL PHONES OR CAMERA USED BY GROUND CREW



HELICOPTER HEC OPERATIONS SAFETY BRIEF CHECKLIST

PRIOR TO BEGINNING ANY HELICOPTER HEC OPERATIONS A THOROUGH SAFETY BRIEF WILL BE CONDUCTED UTILIZING THE FOLLOW CHECKLIST THIS DOES NOT SUPERSEDE INITIAL HEC TRAINING REQUIREMENTS

- ☐ CONDUCT STANDARD HELICOPTER LIFT SAFETY BRIEF PRIOR TO HEC SAFETY BRIEF
- ☐ HEC SAFETY BRIEF SIGN IN
- ☐ INITIAL HEC TRAINING VERIFIED ISSUE STICKER DISPLAYED ON HELMET
- ☐ WORK STOP AUTHORITY
- ☐ PPE REQUIREMENTS (HELMETS, EYEWEAR, GLOVES AND FOOTWEAR)
- ☐ HARNESS, FITMENT, CONDITION AND LOAD LIMIT
- ☐ PROPER USE OF ATTACHMENT EQUIPMENT (CARABINERS)
- ☐ BUDDY /SELF CHECK
- ☐ COMMUNICATIONS REQUIREMENTS VIA RADIO OR HEAD AND HAND SIGNALS (RADIO WILL BE TETHERED OR SECURED)
- ☐ NO EQUIPMENT WILL BE TRANSPORTED DURING HEC
- ☐ HEC SHORT HAUL OPERATIONS PLAN, DAILY MISSION
- ☐ INSERTION POINT AND AREA HAZARDS
- ☐ HEC ATTACH ZONE AND WAITING AREA
- ☐ EMERGENCY PROCEDURES; ENGINE FAILURE, TR FAILURE, HOOK FAILURE, LINE ENTANGLEMENT)
- ☐ NO CELL PHONE OR CAMERA USED DURING HEC

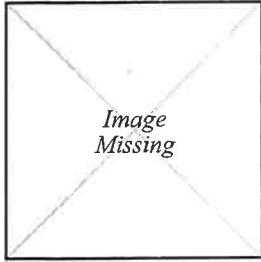
Pilot:	
Support Crew:	
Location:	
Mission:	
Aircraft:	

[illegible]

AIRCRAFT	ENVIRONMENT	EXTERNAL LOAD
☐ Approach and departure ☐ Main/tail rotor hazards ☐ Safe cargo loading/unloading ☐ Loose articles: - Aircraft & LZ ☐ Hearing protection ☐ Door/seatbelt operation ☐ Headset/helmet/intercom ☐ Air-sickness ☐ In-flight emergencies Establish who will call 911 ☐ Location of: o First aid/survival kit o Fire extinguisher o Fuel and battery shut off procedure o Radios, ELT, SAT Phone ☐ Fueling Operations: - Duties & Safety Issues	☐ Weather conditions ☐ Wind direction ☐ Fuel ☐ Gross weight ☐ Terrain ☐ Landing zone hazards ☐ Density altitude ☐ Noise abatement ☐ Congested area plan ☐ Traffic/crowd control CRITICAL ☐ COMMUNICATION IS CRITICAL ☐ Standardized language ☐ "Code Red" phrases ☐ Stereo operation ☐ Right following/radio procedures ☐ Possible tasks for crew, e.g., switch/tune radios, maps ☐ Hazard awareness, e.g., birds, other hazards ☐ STOP work policy ☐ Re-brief in case scope changes ☐ IMSAFE Acronym	☐ Ground crew PPE ☐ Long Line & Rigging Equipment Inspection ☐ Communication: Use of headset for lineman communicating with pilot ☐ Head/Hand Signals ☐ Pole set procedures: Brief how pole will be secured: 1) Taglines 2) Pikes 3) fill dirt ☐ Steps on pole ☐ Remote hook operations ☐ Ground crew hook up procedures ☐ Static discharge ☐ Emergency flyaway procedures ☐ Long line clearance (6'- 25'- 150% rule) ☐ No person under load ☐ Ground crew safety zone ☐ Pole removal with potential snag issues must be discussed ☐ Nylon straps (wood vs. glass) ☐ Load ratings (7:1 minimum) ☐ Dry Run/Play by play pole set Procedures ☐ Induced Voltage from: - Adjacent circuits, Underbuild, Parallel circuits etc. ☐ In case of Non-Company ground crew: Rigging procedures must be briefed ☐ No cell phone/camera use during external loads ☐ Essential crew only

Pilot fatigue mitigation must be briefed prior to work

22-01004 Request Summary



Requestor	Tyler J Irwin	Request Date	05/05/2022
LAN ID	TJ11	Work Type	Lift Work
Phone	(707) 449-5832	Lift Work Type	HEC -
Cell	(707) 684-9396		Non-Energized
LOB	Electric Transmission	For Contractor	Yes
	Line		MICHELS
Vendor	Guardian Helicopters		

Work Dates

05/12/2022 - 05/15/2022 BELL 407

Approver

Superintendent Michael E Willey (MEWK)

MEWk@pge.com

(C) (916) 804-4526

Scope of Work

CALVERAS
STANISLAUS-MELONES SW STA-RIVERBANK JCT SW STA-115kV
CAP- NO
DISPATCH NOTIFICATIONS- ANGELS CAMP HYDRO

USFS/NATIONAL PARK TERRITORY- NO
APPROVAL RECEIVED- N/A

THIRD PARTY- MICHELS
REQUESTOR/FOREMAN- JERRY BROWN 415-205-5386
PGE PM- mewk

SCOPE- 2 LIGHT HELICOPTERS TO PERFORM HEC, TRANSPORT TOOLING AND
INSULATORS TO WORK LOCATIONS. CREW MEMBERS WILL PERFORM INSULATOR
CHANGES ON STRUCTURES.(PAIRED WITH 997)

LZ-

LZ#1- ON A DIRT AREA, LESS THAN 300 FEET FROM A ROAD. LZ APPROVED FOR 2 TYPE
3 AIRCRAFTS | DIAMETER VERIFIED 75 FEET | PAD TO PAD SEPERATION 200 FEET
LZ#2- OK ON A GRASS AREA, MULTIPLE LINES CLOSE IN PROXIMITY AN TREES
LZ APPROVED FOR 2 TYPE 3 AIRCRAFTS | DIAMETER VERIFIED 75 FEET
LZ#4- OK ON A DIRT AREA WITH LINES CLOSE IN PROXIMITY, LESS THAN 300 FEET
FROM A HOME. WILL NEED TO BE NOTIFIED AND/OR EVACUATED FOR THIS. LESS THAN
300 FEET FROM ROAD. LZ APPROVED FOR 2 TYPE 3 AIRCRAFTS | DIAMETER VERIFIED
75 FEET

PICK SITE- OK ON A HILL WITH TREES AND LINE CLOSE IN PROXIMITY

WORK LOCATION(S)- OK MULTIPLE LINES IN VACINITY AND TREES

DUST/ TRAFFIC MITIGATION TO BE PROVIDED BY CONTRACTOR/PG&E.

22-01004 Request Summary

05/12/2022 - 05/15/2022

Reason for Request in Less than 10 Days:

Other

Reason for Request in Less than 10 Days Explained:

RECIEVED OUTSIDE OF 10 DAY WINDOW

Asset Category: LIGHT

Asset Type: BELL 407

Locations

08:00 - LZ	LZ1	38 05.61'N 120 28.02'W	<no headquarters>	<no county>
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Dust/Snow Mitigation Plan:

--- - Work Location

LZ2	38 03.61'N 120 31.81'W	<no headquarters>	<no county>	1425 ft
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Dust/Snow Mitigation Plan:

--- - Work Location

PICK SITE	38 01.43'N 120 35.54'W	<no headquarters>	<no county>	2695 ft
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Dust/Snow Mitigation Plan:

--- - Work Location

LZ4	37 59.04'N 120 38.64'W	<no headquarters>	<no county>	1010 ft
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Dust/Snow Mitigation Plan:

--- - Work Location

STANISLAUS-MELONES SW STA-RIVERBANK JCT SW STA-115KV (START)	38 07.85'N 120 24.13'W	Line #: 001/011	<no headquarters>	<no county>
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Dust/Snow Mitigation Plan:

--- - Work Location

STANISLAUS-MELONES SW STA-RIVERBANK JCT SW STA-115KV (MID)	38 04.08'N 120 30.98'W	Line #: 009/056	<no headquarters>	<no county>
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Dust/Snow Mitigation Plan:

--- - Work Location

22-01004 Request Summary

STANISLAUS-MELONES SW STA-RIVERBANK JCT SW	37	Line #:	<no	<no
STA-115kV (END)	59.81'N	017/100	headquarters>	county>
	120			
	37.71'W			

Dust/Snow Mitigation Plan: ---

Est. Use Hours	8.00	Vendor	Guardian Helicopters
Contract	---	Over Water	No
Fuel Truck	Yes	Cargo Weight	500.0 lbs
Special Equipment	HEC Gear	Billing Number	31551877 100%
Comments	ALL WORK LOCATION	Req. Notifications	---

STRUCTURE NUMBERS:

LZ 1

005/033 38 5'54.25"N 120

27'38.57"W

005/030 38 6'15.40"N 120

27'0.28"W

005/029 38 6'22.90"N 120

26'46.68"W

003/021 38 7'5.99"N 120

25'28.56"W

002/015 38 7'31.70"N 120

24'41.87"W

001/012 38 7'47.28"N 120

24'14.19"W

001/011 38 7'51.12"N 120

24'8.00"W

LZ 2

009/059 38 3'53.53"N 120

31'19.72"W

009/058 38 3'56.57"N 120

31'14.21"W

009/057 38 3'59.63"N 120

31'8.63"W

009/056 38 4'4.88"N 120

30'59.09"W

009/055 38 4'9.21"N 120

30'51.17"W

008/051 38 4'34.22"N 120

30'4.89"W

008/048 38 4'50.68"N 120

29'33.88"W

008/047 38 4'54.33"N 120

29'26.99"W

007/043 38 5'9.34"N 120

28'59.86"W

LZ 3

013/081 38 1'48.49"N 120

35'10.03"W

012/071 38 2'45.25"N 120

33'37.44"W

015/093 38 0'45.22"N 120

36'31.48"W

016/096 38 0'17.79"N 120

37'2.69"W

LZ 4

22-01004 Request Summary

017/098 38 0'5.37"N 120
37'19.95"W
017/099 37 59'57.91"N 120
37'30.32"W
017/100 37 59'43.89"N 120
37'42.85"W

Talk About #	151.5125	Talk Group	151.5125	Talk Radio #	151.5125
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22-01004 - May 2022

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5	6	7
8	9	10	11	12	13	14
				08:00 16:00 BELL 407 LZ1 38 05.61'N 120 28.02'W	08:00 16:00 BELL 407 LZ1 38 05.61'N 120 28.02'W	08:00 16:00 BELL 407 LZ1 38 05.61'N 120 28.02'W
15	16	17	18	19	20	21
08:00 16:00 BELL 407 LZ1 38 05.61'N 120 28.02'W						
22	23	24	25	26	27	28
29	30	31				



SECTION 7

Part 135 GH 4A Part 133 GH 4L

NON- Congested Area Plan

Operator: Guardian Helicopters, Inc
67 D STREET
Fillmore CA. 93015

Phone (818) 442-9904
FAX (818) 442-9901

PROJECT: PG&E HEC CARGO WORK ORDER #: 22-01004

ADDRESS: HWY 4 AND HWY 49 CITY: VALLETICO STATE: CA

LZ 1 38° 5'36.72"N 120°28'1.21"W

LZ2 38° 3'36.60"N 120°31'48.60"W

PICK UP 38° 1'25.64"N 120°35'32.44"W

LZ 4 37°59'2.40"N 120°38'38.40"W

SEE ATTACHED FLIGHT REQUEST AND KMZ FILE

CONTACT REQUESTOR: MICHAEL WILLEY PHONE#: **916-804-4526**

CONTACT FORMAN: JERRY BROWN PHONE#: **415-205-5386**

PILOT'S NAME(S):

1. MICHAEL KLINK CERT#: 3018828
2. BUCKEY MACKAY CERT #: 2778051
3. IAN GOODALE CERT#: 3741973
4. ROSS GOULET CERT#: 3396777
5. TREVOR NEEDHAM CERT#: 3597688

TYPE OF AIRCRAFT:

BELL UH-1H N# N777GH A/C CATEGORY: RESTRICTED
BELL 407 N# N407GH A/C CATEGORY: STANDARD
BELL 407 N# N447GH A/C CATEGORY: STANDARD
BELL 407 N# N999GH A/C CATEGORY: STANDARD
BELL 407 N# N111GH A/C CATEGORY: STANDARD
BELL 205A1 N# N216GH A/C CATEGORY: STANDARD
BELL 205A1 N# N211GH A/C CATEGORY: STANDARD
AS350 B2 N# N498PT A/C CATEGORY: STANDARD

IF SAFETY DICTATES AND OR THE CUSTOMER REQUESTS ADDITIONAL LIFTS THE LIFTS WILL BE CONDUCTED REMAINING WITHIN THE APPROVED TIME PARAMETERS.

TYPE OF LIFTS: **HEC CARGO** LOAD: **EXT CL B** TYPE OF ITEM LIFTING: ☐ AERODYNAMIC ☒ NON-AERODYNAMIC LONG LINE: (NO) XXX (YES) **LESS 200 FT** (LENGTH) OPERATIONAL ALTITUDE: ≤ 250 AGL STREET CLOSING: (NO) XX (YES)

DATE AND TIMES OPERATION WILL BEGIN AND TERMINATE:

FLIGHT DATES	TIME BEGIN	TIME END	TODAY'S DATE
5-12-2022	SUNRISE	SUNSET	5-4-2022
5-13-2022	SUNRISE	SUNSET	5-4-2022
5-14-2022	SUNRISE	SUNSET	5-4-2022
5-15-2022	SUNRISE	SUNSET	5-4-2022
<u>AGENCY NAME:</u>	<u>PHONE#:</u>	<u>PERSON NOTIFIED:</u>	<u>DATE:</u>
ANGELS CAMP POLICE DEPARTMENT	209-736-2567	DISPATCH	NOTIFIED
ANGELS CAMP FIRE DEPARTMENT	209-736-4081	DISPATCH	NOTIFIED



Part 135 GH 4A Part 133 GH 4L

NON Congested Area Plan

Crowd Control

Evacuation

☒ No Evacuated Structures

☐ Evacuated Structures

☒ Operator

☒ Contractor

Street Closure

☒ Yes ☐ No

☒ Contractor

☐ Operator

LIST OF BUILDINGS THAT SHALL EITHER BE PARTIALLY OR ENTIRELY UNOCCUPIED PERSONS ALSO HOMES THAT WILL BE NOTIFIED OF ACTIVITY:

BUILDING DESCRIPTION/ADDRESS	REMARKS	METHOD
NO EVACUATIONS	VACANT DURING OPS	HAND DELIVER

Narrative description of pick-up site, route, delivery site, and plan for ceasing operation if unauthorized persons enter operational area or real hazard occurs.

SITE INSPECTION NOTES

ONLY PERSONNEL ESSENTIAL TO COMPLETING THE JOB SAFELY WILL BE PERMITTED TO PARTICIPATE IN THE EVOLUTION. ONLY PERSONNEL PARTICIPATING IN THE SAFETY BRIEF WILL BE PERMITTED TO BE IN THE AREA OF OPERATIONS. ONLY AUTHORIZED ESSENTIAL PERSONAL WILL BE PERMITTED IN THE IMMEDIATE AREA OF OPERATIONS. IN THE EVENT AN UNAUTHORIZED PERSON ENTERS THE OPERATIONS AREA OR A POTENTIAL HAZARD IS IDENTIFIED THE PILOT WILL HOLD THE AIRCRAFT IN RELATIVE POSITION. THIS WILL BE ACHIEVED WITHOUT OVER FLYING THE GROUND CREW. ALL OPERATIONS WILL BE CEASED UNTIL THE PROBLEM IS RECTIFIED. IN THE EVENT OF AN AIRCRAFT EMERGENCY, THE PILOT WILL RADIO GROUND PERSONNEL AND WILL ATTEMPT TO LAND IN THE EMERGENCY LANDING AREA.

DURING THE LIFT EVOLUTION THE AIRCRAFT AND GROUND CREW WILL ALL BE IN RADIO COMMUNICATIONS. IN THE EVENT OF LOSS COMMUNICATIONS, THE CREW WILL USE STANDARD HAND SIGNALS TO COMMUNICATE WITH THE PILOT. WHEN THE PILOT IS CLEAR HE WILL MOVE THE AIRCRAFT TO A SAFE LOCATION TO ALLOW THE COMMUNICATION PROBLEM TO BE RECTIFIED.

THE OPERATIONS AREA IS WITHIN THE SECURED AREA. ALL ESSENTIAL CREW WITHIN THE OPERATIONS AREA WILL NOT BE INVOLVED IN TAKING PICTURES OR ANY OTHER USE OF CELL PHONES.

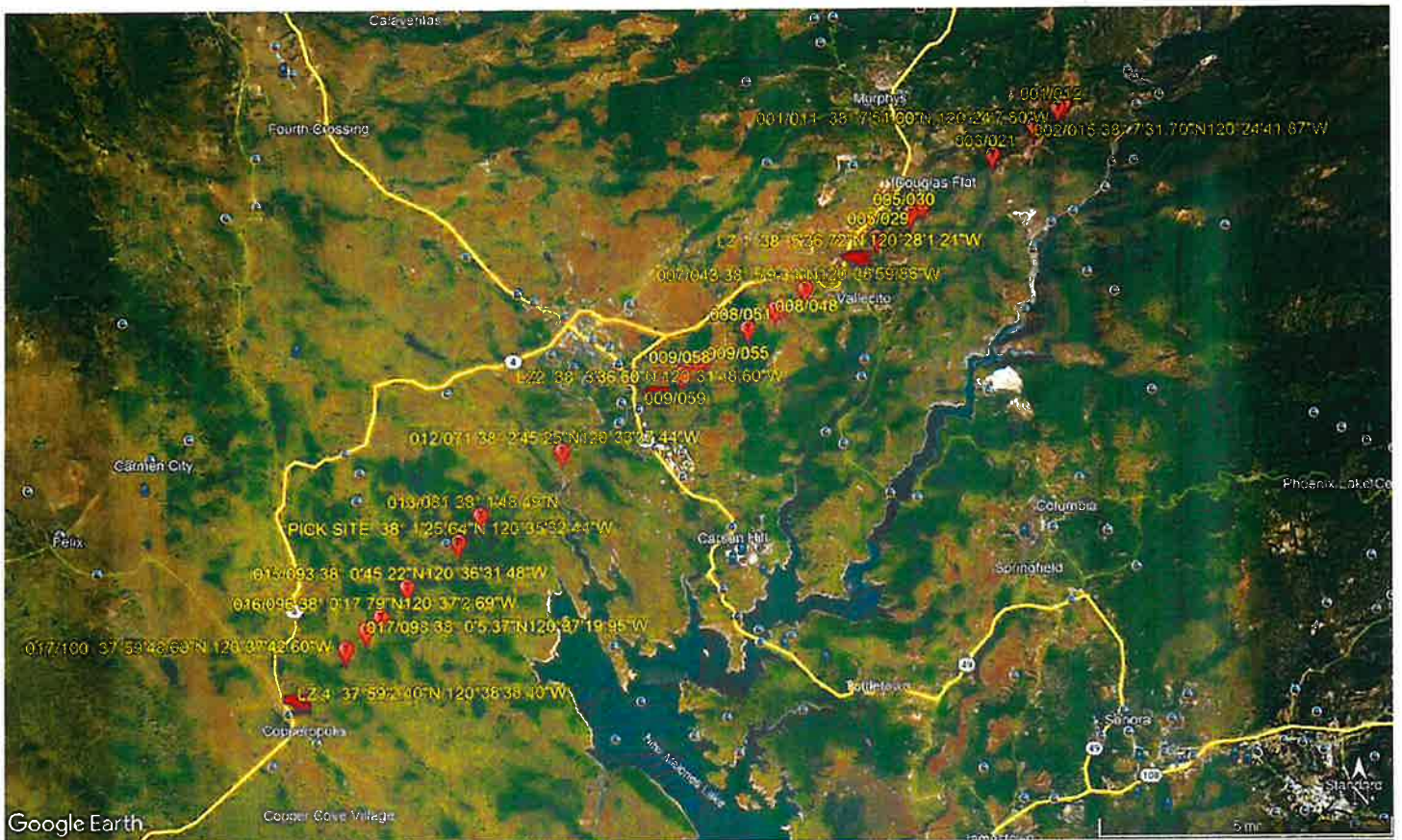
PRIOR TO BEGINNING OPERATIONS, A TAILBOARD SAFETY BRIEF WILL BE CONDUCTED.

1. HELICOPTERS WILL LAND AT LZ TO CONDUCT A TAILBOARD
2. IF REQUIRED A WATER TRUCK WILL BE PROVIDED FOR THE LZ
3. CARGO WILL BE SET IN OPEN AREA NEAR LZ
4. NO EVACUATIONS
5. STREET CLOSURE PER FLIGHT PLAN

LEGEND

SITE PLAN SYMBOLS: EVACUATION FLIGHT PATH

LANDING AREA = (LZ)	STREET BLOCKED = XXXX	TOP TWO FLOORS = UBT2
ATTACH AREA = (A)	RELEASE AREA = (R)	
FLIGHT PATH = >>>	EMERGENCY LAND = (ELZ)	
UNOCCUPIED BUILDING = (UB)	UNOCCUPIED BUILDING TOP FLOOR = (UBT1)	









Jeffrey M. Teubner

5-2-2022

DATE OF SUBMISSION

COMPANY OFFICIAL, TITLE

Jeffrey M. Teubner Flight Coordinator