



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

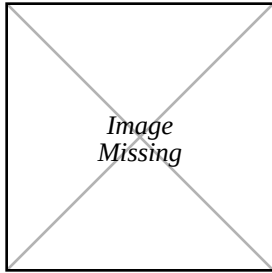
PRIOR TO BEGINNING ANY HELICOPTER HEC OPERATIONS A THOROUGH SAFETY BRIEF WILL BE CONDUCTED UTILIZING THE FOLLOW CHECKLIST THIS DOES NOT SUPERSEDE INITIAL HEC TRAINING REQUIREMENTS

- ☐ 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

[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 CRM ☐ COMMUNICATION IS CRITICAL ☐ Standardized language ☐ "Code Red" phrases ☐ Sterile cockpit ☐ Flight 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 ☐ <u>IMSAFE Acronym</u> Pilot fatigue mitigation must be briefed prior to work	☐ 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

22-02421 Request Summary



Requestor	Tyler J Irwin	Request Date	08/26/2022
LAN ID	TJI1	Work Type	Lift Work
Phone	(707) 449-5832	Lift Work Type	HEC -
Cell	(707) 684-9396	For Contractor	Non-Energized
LOB	Electric Transmission		Yes
	Line		MICHELS
Vendor	Guardian Helicopters		

Work Dates

08/30/2022 - 08/31/2022 BELL 407

Approver

Superintendent Pete M Dominguez (PXD1)

PXD1@PGE.COM

(C) (805) 459-6255

Scope of Work

SAN LUIS OBISPO/SANTA BARBARA
MIDWAY-SANTA MARIA
CAP- NO
DISPATCH NOTIFICATIONS- NO

USFS/NATIONAL PARK TERRITORY- LOS PADRES NATIONAL FOREST
APPROVAL RECEIVED- YES

THIRD PARTY- MICHELS
REQUESTOR- JAKE KEASCHALL 920-539-6955
FOREMAN- KEN FIELDS 920-204-4403
PGE PM- ALBERTO MANCERO A9MR

SCOPE- HELICOPTER WILL PERFORM HEC TO BRING LINE WORKERS TO TOWER. THEY WILL PERFORM INSULATOR CHANGES AND MAINTENACE ON TOWERS. TRANSPORT TOOLING AND OTHER MATERIALS. THERE WILL BE A TOTAL OF 4 HELICOPTERS. 2 FROM A&P, 1 PJS AND 1 GUARDIAN AIRCRAFT.

LZ INFO

LZ1 - LOCATED IN GRASS FIELD, TRANSMISSION LINE 130ft NORTHWEST
LZ1 ALT 2 - IN PROXIMITY TO LZ 1. DIRT ACCESS ROAD AND TRANSMISSION LINE 130FT TO NORTHWEST.
LZ1 ALT 3- LARGE GRASS AREA NO OBSTRUCTIONS.
LZ 2- OPEN FIELD HWY 166 IS 365FT FROM LZ
LZ3 - LARGE GRASS FIELD SOME TREES SCATTERED IN AREA.
LZ4 - LOCATED IN PRIVATE FARMLAND. APPROVAL RECIEVED. TRANSMISSION LINES 140FT NORTH. FENCE LINE BORDERS LZ AREA.
LZ ARE LARGE BUT DO NOT PLAN TO SUPPORT ALL 4 AIRCRAFT AT THE SAME TIME
LZ DIAMETER VERIFIED FOR TYPE 3 AIRCRAFT- 75 FEET DIAMETER

WORK LOCATION(S)- WORK LOCATIONS IN MOUNTAIN TERRAIN. SOME WORK LOCATIONS RUN ALONG HWY166. LZS SPLITS THE HIGHWAY AND WILL NOT BE CROSSED. LZS LOCATED EAST OF HIGHWAY WILL PERFORM WORK ON LOCATIONS TO EAST. LZS WEST OF HIGHWAY WILL WORK LOCATIONS WEST. TOWER 121 IS WITHIN 300FT OF HIGHWAY. WILL NEED TRAFFIC CLOSURE TO COMPLETE.

DUST/ TRAFFIC MITIGATION TO BE PROVIDED BY CONTRACTOR.

22-02421 Request Summary

08/30/2022 - 08/31/2022

Reason for Request in Less than 10 Days:

Other

Reason for Request in Less than 10 Days Explained:

REQUEST WAS MADE TO SUPPORT MULTIPLE HELICOPTER WHERE ONE IS UNAVAILABLE DUE T..

Asset Category: LIGHT

Asset Type: BELL 407

Locations

08:00 - LZ	LZ 1 ALTERNATE 1	34 55.41'N 120 17.62'W	<no headquarters>	<no county>
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Dust/Snow Mitigation Plan: ---

--- - Work Location

LZ 1 ALT 2	34 57.35'N 120 17.35'W	<no headquarters>	<no county>	610 ft
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Dust/Snow Mitigation Plan: Surface is composed of low vegetative cover.

--- - Work Location

LZ 1 ALT 3	34 58.29'N 120 16.48'W	<no headquarters>	<no county>	1840 ft
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Dust/Snow Mitigation Plan: Surface will have water applied prior to landing.

--- - Work Location

LZ 2	35 05.07'N 120 08.59'W	<no headquarters>	<no county>	1050 ft
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Dust/Snow Mitigation Plan: Surface will have water applied prior to landing.

--- - Work Location

LZ 3	35 04.87'N 120 09.25'W	<no headquarters>	<no county>	
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Dust/Snow Mitigation Plan: ---

--- - Work Location

LZ 3 ALT 4	35 06.33'N 120 04.32'W	<no headquarters>	<no county>	1360 ft
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Dust/Snow Mitigation Plan: Surface will have water applied prior to landing.

--- - Work Location

LZ 4	35 01.65'N 120 11.74'W	<no headquarters>	<no county>	
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Dust/Snow Mitigation Plan: ---

--- - Work Location

10502 MIDWAY-SANTA MARIA (WL START)	34 56.79'N 120 18.35'W	Line #: T-038	<no headquarters>	<no county>	780 ft
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22-02421 Request Summary

Dust/Snow Mitigation Plan: ---

--- - Work Location

10502 MIDWAY-SANTA MARIA (WL MID POINT) 35 02.54'N Line #: T-090 <no headquarters> <no county> 1005 ft
120 11.08'W

Dust/Snow Mitigation Plan: ---

--- - Work Location

10502 MIDWAY-SANTA MARIA (WL END) 35 06.61'N Line #: T-122 <no headquarters> <no county> 1375 ft
120 06.02'W

Dust/Snow Mitigation Plan: ---

Est. Use Hours	8.00	Vendor	Guardian Helicopters
Contract	---	Over Water	No
Fuel Truck	Yes	Cargo Weight	1000.0 lbs
Special Equipment	HEC Gear	Billing Number	
Comments	ALL WORK LOCATIONS ASSOCIATED	Req. Notifications	---

34.946495 -120.305817 T038
34.949011 -120.301535 T040
34.955896 -120.289925 T044
34.957611 -120.287034 T045
34.965308 -120.27782 T049
34.968936 -120.275431 T050
34.970901 -120.27414 T051
34.973125 -120.272673 T052
34.974417 -120.267574 T054
34.976711 -120.258139 T057
34.989701 -120.232562 T063
34.992191 -120.227945 T065
34.997766 -120.222918 T069
35.002635 -120.218661 T072
35.019078 -120.20372 T080
35.020902 -120.202053 T081
35.026045 -120.197381 T084
35.038554 -120.18716 T088
35.042314 -120.184614 T090
35.050184 -120.179291 T094
35.056121 -120.175283 T096
35.057694 -120.174217 T097
35.062579 -120.16939 T099
35.068402 -120.163647 T-102
35.072425 -120.159674 T-103
35.073103 -120.159004 T-104
35.075686 -120.15644 T-105
35.076447 -120.155685 T-106
35.0772 -120.154937 T-107
35.078748 -120.153417 T-108
35.086813 -120.145437 T-111
35.095148 -120.134644 T-115
35.098217 -120.127661 T-116
35.098901 -120.126109 T-117
35.103804 -120.114975 T-119
35.106291 -120.109298 T-120
35.107584 -120.106349 T-121

22-02421 Request Summary

35.11019 -120.100396 T-122

Talk About #	151.76	Talk Group	151.76	Talk Radio #	151.76
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22-02421 - August 2022

Sunday

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30 08:00 -16:00 BELL 407 LZ 1 ALTERNATE 1 34 55.41'N 120 17.62'W	31 08:00 -16:00 BELL 407 LZ 1 ALTERNATE 1 34 55.41'N 120 17.62'W	1	2	3
4	5	6	7	8	9	10



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 #:22-02421

ADDRESS: HWY 166 CITY: SANTA MARIA STATE: CA

SEE ATTACHED FLIGHT REQUEST AND KMZ FILE

CONTACT REQUESTOR: JAKE KEASCHALL PHONE#: 920-539-6955

CONTACT FORMAN: KEN FIELDS PHONE#: 920-204-4403

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#:3597668 |

TYPE OF AIRCRAFT:

BELL 407 N# N407GH A/C CATEGORY: STANDARD

BELL 407 N# N111GH 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 AIR CHAIR** LOAD:EXT CL B TYPE OF ITEM LIFTING: ☐

AERODYNAMIC ☒ NON- AERODYNAMIC LONG LINE: (NO) (YES) **XXX LESS 200 FT** (LENGTH)

OPERATIONAL ALTITUDE: < 250 AGL STREET CLOSING: (N0) XX (YES)

DATE AND TIMES OPERATION WILL BEGIN AND TERMINATE:

FLIGHT DATES	TIME BEGIN	TIME END	TODAY'S DATE
8-30-2022 THRU	SUNRISE	SUNSET	8-26-2022
8-31-2022	SUNRISE	SUNSET	8-26-2022
AGENCY NAME:	PHONE#:	PERSON NOTIFIED:	DATE:
SANTA MARIA FIRE DEPATMENT	805-922-79779	DISPATCH	NOTIFIED
SANTA MARIA POLICE DEPARTMENT	805-928-3781	STATION25	NOTIFIED

Evacuation

☒ No Evacuated Structures

☐ Evacuated Structures

Crowd Control

☒ Operator

☒ Contractor

Street Closure

☐ Yes ☒ No

☒ Contractor

☐ Operator



Part 135 GH 4A Part 133 GH 4L
NON-Congested Area Plan

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
REMOTE NO EVACUATION	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.

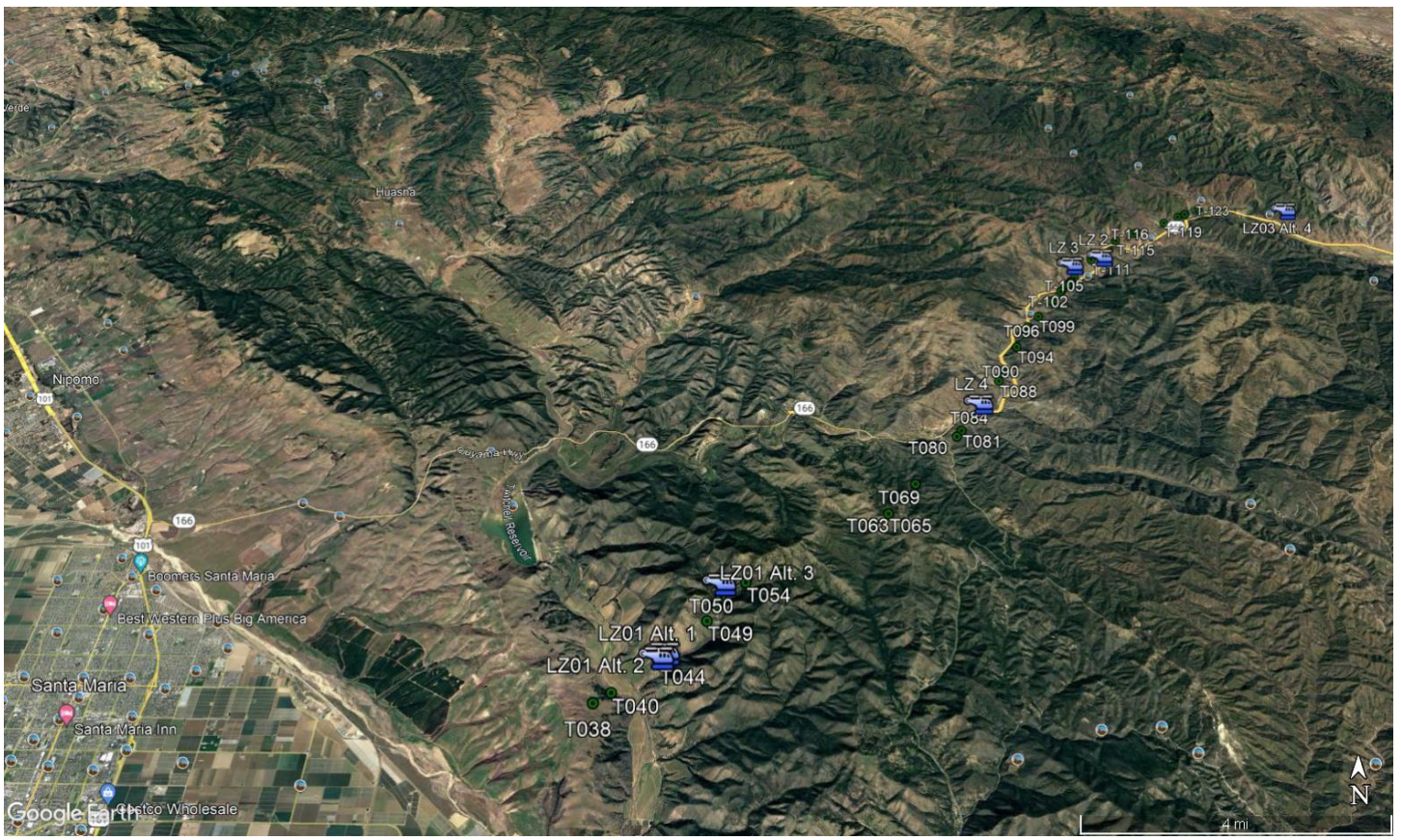
THE OPERATIONS AREA IS WITHIN THE SECURED AREA. ALL ESSENTIAL CREW WITHIN THE OPERATIONS AREA WILL NOT BE INVOLVED IN TAKING PICTURES OR ANY OTHER USE OF CELL PHONES.

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

1. HELICOPTER WILL LAND AT THE LZ STAGING AREA TO CONDUCT A TAILBOARD AND HEC TRAINING
2. WATER TRUCK REQUIRED AT LZ STAGING AREA
3. VARIOUS ROADS WILL EXPERIENCE INTERMITTANT ROAD CLOSURES
4. REMOTE AREA NO EVACUATIONS

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)	



8-26-2022

DATE OF SUBMISSION

Jeffrey M. Teubner

COMPANY OFFICIAL / TITLE

Jeffrey M. Teubner Flight Coordinator