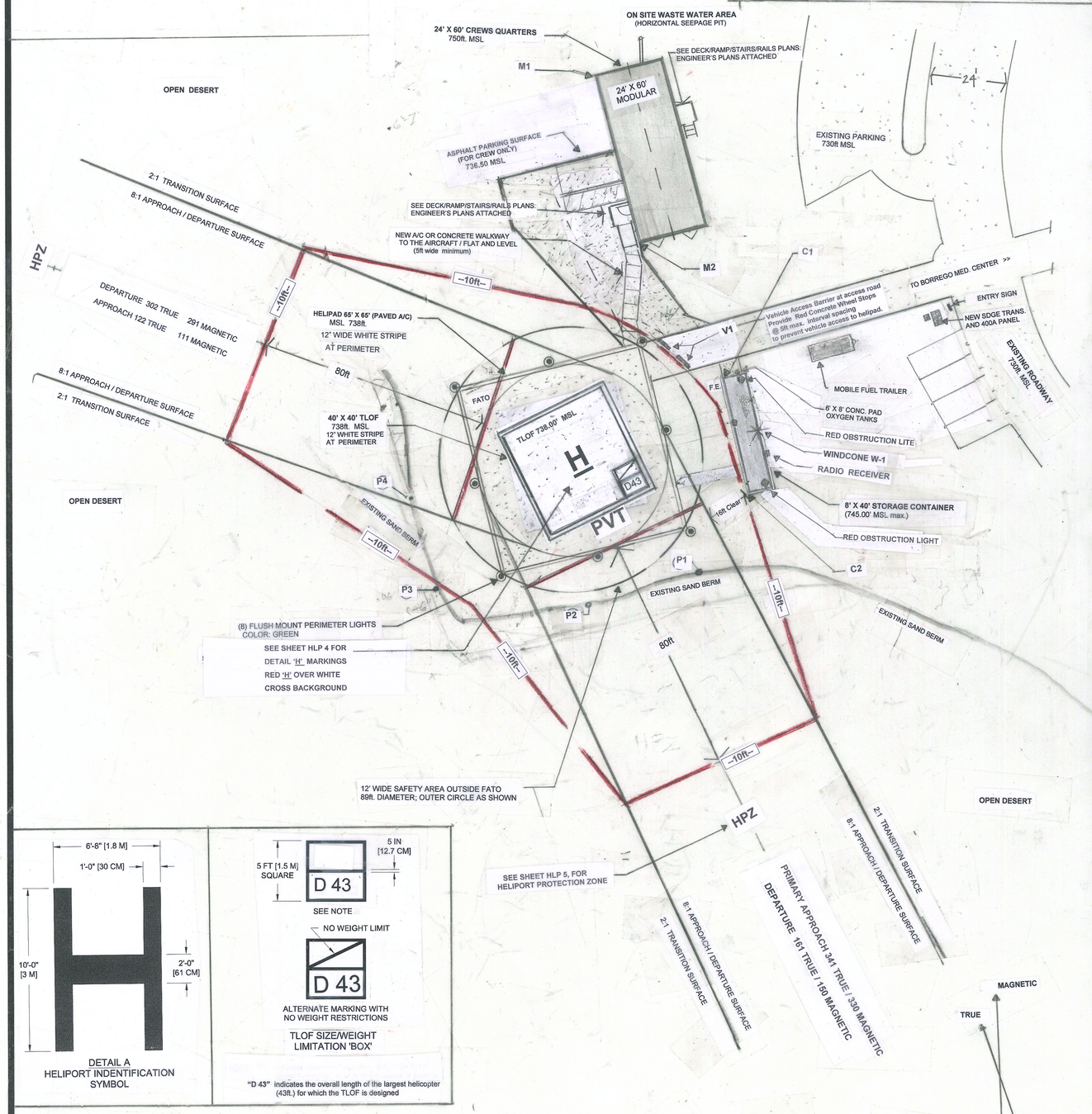
BORREGO MEDICAL CLINIC HELIPAD
4343-B YAQUI PASS ROAD
BORREGO SPRINGS, CA 92005

LEGEND

- INTERNALLY LIGHTED WINDCONE W/ RED OBSTRUCTION LIGHT (FEC HELIPORTS MODEL HP-0908—16-LED OR EQUIVALENT)
- GREEN LED PERIMETER LIGHTS (FEC HELIPORTS MODEL HP-0571PC OR EQUIVALENT)
- FE — PORTABLE FIRE EXTINGUISHER (RATING 10-A; 120-BC RATING PER COMBINED NFPA 14 AND CALIFORNIA FIRE CODE STANDARDS)
- --10ft-- ELEVATIONS AND AIRSPACE CONTOURS EXPRESSED IN FEET ABOVE MSL (MEAN SEA LEVEL REFERENCE)
- RED OBSTRUCTION LIGHTS



ENLARGED HLP PLAN SCALE: 1/20

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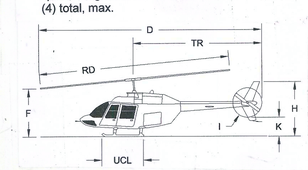
. HELICOPTER DATA BOX .

A Manufacturer name and helicopter model
AUGUSTA 109
B Maximum takeoff weight in pounds.
5,732 lbs
D Overall length in feet. (Rotors at their maximum extension.)
42.8'
H Overall height in feet. (Usually at tail rotor.)
11.2'
RD Rotor diameter in feet.
36.1'
E Number of blades.
(2)
F Rotor plane clearance in feet.
10'
TR Distance from rotor hub to tip of tail rotor in feet.
25'
I Tail rotor diameter (in feet).
6.7'
J Number of tail rotor blades.
(2)
K Tail rotor ground clearance in feet.
2.3'
L Type of undercarriage.
skid
UCL Undercarriage length in feet.
11.6'
UCW Undercarriage width in feet.
7.5ft
M Number and type of engines
2- Turbine
N Number of crew and passengers.
1-pilot; 1-flight nurse; 1-paramedic; 1-transport
(4) total, max.



. HELIPORT SPECIFIC INFORMATION BOX .

HELIPORT NAME:
BORREGO MEDICAL CLINIC HELIPORT
HELIPORT ADDRESS:
4343-B YAQUI PASS ROAD
BORREGO SPRINGS, CA 92005
USAGE:
PRIVATE (PUBLIC SAFETY USE ONLY), DAY, NIGHT
FAA / HELIPORT DESIGN ADVISORY CIRCULAR:
AC 150/5390-2C
FAA / HELIPORT ADVISORY DESIGN CIRCULAR
HELIPORT CLASSIFICATION:
GENERAL AVIATION, PPR
NFPA PUBLICATION #418; HELIPORTS CLASSIFICATION:
H-1
GEOGRAPHIC COORDINATES (NAD 83) AT HELIPORT CENTER:
LATITUDE 33-11.62 N LONGITUDE 116-19.78 W
LOCAL MAGENTIC DELCINATION (NEAREST DEGREE)
11 DEGREES EAST (ROUNDED TO NEAREST DEGREE)
APPROACH COURSE ALIGNMENTS
330 MAGNETIC 111 MAGNETIC
DEPARTURE COURSE ALIGNMENTS
150 MAGNETIC 291 MAGNETIC
FATO - FINAL APPROACH / TAKE OFF AREA
65ft X 65ft CLEAR
TLOF - TOUCH DOWN AND LIFT OFF AREA
40' X 40' SQUARE AREA
SAFETY AREA WIDTH (OUTSIDE FATO PERIMETER)*
12ft CLEAR, OUTSIDE FATO CIRCLE
TOTAL UNOBSTRUCTED WIDTH (FATO PLUS SAFETY AREA)
89ft DIAMETER CLEAR
TLOF SURFACE MATERIAL:
6" PORTLAND CONCRETE SURFACE
TLOF SURFACE GRADIENT:
≤ 2% NORTHERLY DOWNSLOPE DIRECTION
*NO OBJECTS ALLOWED ABOVE THE TLOF ELEVATION WITHIN THE FATO OR SAFETY AREA (EXCEPT 2" MIN. HEIGHT FOR PERIMETER LIGHTING)
PREVAILING WIND:
WESTERLY

BORREGO MEDICAL CLINIC HELIPORT

FAR 77 APPROACH AND TRANSITIONAL SURFACE PENETRATION EVALUATIONS

ITEM #	ITEM NAME	ITEM ELEVATION	Approach or Transitional Surface Elevation	CLEAR BY	PENETRATION	CORRECTIVE ACTION
P1	Sand Berm	740.75 MSL	741 MSL	.25'		Grade Sand Berm down for compliance (max. elevation 741 MSL)
P2	Sand Berm	740.75 MSL	741 MSL	.25'		Grade Sand Berm down for compliance (max. elevation 741 MSL)
P3	Sand Berm	740.75 MSL	741 MSL	.25'		Grade Sand Berm down for compliance (max. elevation 741 MSL)
P4	Sand Berm	740.75 MSL	741 MSL	.25'		Grade Sand Berm down for compliance (max. elevation 741 MSL)
C1	Container NW corner	745.50 MSL	754 MSL	4.5'		Red NAV. LED obstruction light 6" above roof line (max. elevation 746.5 MSL) @ North East corner
C2	Container SW corner	745.50 MSL	746 MSL	.50'		Red NAV. LED obstruction light 6" above roof line (max. elevation 746.5 MSL) @ South East corner
M1	Modular Bldg. NW corner	748.71' MSL	784..00 MSL	35.29'		No Action Required
M2	Modular Bldg. SW corner	748.71 MSL	759.00 MSL	10.29'		No Action Required
W1	Lighted Wind Cone	750.50 MSL	753.00	2.5'		Red NAV. LED obstruction light atop Lighted Wind Cone (max. elevation 753MSL) On pole 5ft above Container Building East Side of Container Bldg.
R1	Radio Rec. Antenna	748.50 MSL	753.00	4.5'		No Action Required
H1	Health Ctr. Roof (Max)	760.00 MSL	828 MSL	68.00'		No Action Required
V1	Vehicle access barrier	739 MSL	746 MSL	7'		No Action Required Keep wheel stops clear of 12' safety zone At Helipad perimeter

Revised 8/8/22

SEE SHEET HLP 5, FOR HELIPORT PROTECTION ZONE

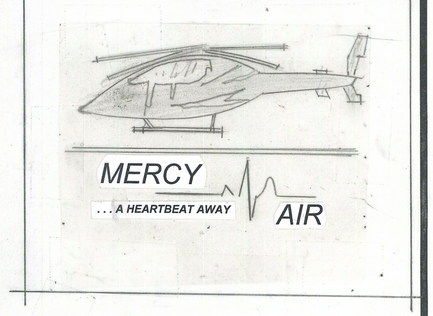
. HPZ HELIPORT PROTECTION ZONE .

(REF: FAA DOCUMENT AC No: 150/5390-2C, Sec. 410)
THE FAA RECOMMENDS THE ESTABLISHMENT OF AN HPZ FOR EACH APPROACH/DEPARTURE SURFACE.
THE HPZ IS THE AREA UNDER THE 8:1 APPROACH-DEPARTURE SURFACE STARTING AT THE FATO PERIMETER AND EXTENDING OUT FOR A DISTANCE OF 280 FEET AS ILLUSTRATED IN FIGURE 4-11.
THE HPZ IS INTENDED TO ENHANCE THE PROTECTION OF PEOPLE AND PROPERTY ON THE GROUND.

GENERAL NOTES:

1) SITE CONTRACTOR TO VERIFY ALL PROPOSED LOCATIONS OF BUILDINGS, VERIFY UNDERGROUND UTILITIES, VERIFY HORIZONTAL SEEPAGE PIT, CONFIRM MSL ELEVATIONS PRIOR TO START OF CONSTRUCTION. NOTIFY PROJECT DESIGNER OF ANY DISCREPANCIES PRIOR TO START OF CONSTRUCTION.
2) DIMENSIONS: WRITTEN DIMENSIONS SHALL PREVAIL OVER SCALE.
3) ALL ELEVATIONS REFERENCE MSL (MEAN SEA LEVEL)
4) SLOPE ALL FINISHED SURFACES AWAY FROM NEW STRUCTURES / PERIMETERS TO EFFECT POSITIVE DRAINAGE AWAY FROM BUILDINGS / FOUNDATIONS.
5) CRITICAL: CALL DIG ALERT PRIOR TO ANY DIGGING OF EXCAVATIONS. THERE ARE HIGH-VOLTAGE UNDERGROUND FEEDER CONDUCTORS IN THIS AREA!
6) PROJECT DESIGNER WILL NOT INSPECT THIS PROJECT. OWNER AGREES TO INDEMNIFY PROJECT DESIGNER FOR DAMAGES ARISING FROM IMPROPER INSTALLATION
7) SITE CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS PRIOR TO START OF WORK.

Note:
Site contractor/designer to be on-site during the DOT inspector visit to this site. Provide laser/survey equipment for observation by DOT inspector to verify horizontal and vertical clearances for both Approach/Departure routes and transitional zone routes.



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4343-B YAQUI PASS ROAD
BORREGO SPRINGS, CA 92005

REVISIONS	BY
1 8/8/22	JJ.

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MODULAR BUILDING DESIGN / PLANNING / CONSTRUCTION

LICENSED CONTRACTOR JOHN TAYLOR LIC. 972815 STATE OF CALIFORNIA 9/5/21

PLAN REVISIONS
1 8/8/22
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ENLARGED SITE PLAN
HELIPORT DATA PANEL
HELICOPTER DATA PANEL
ELEVATION PROFILES / TLOF
DETAILS & SPECIFICATIONS.

BORREGO MEDICAL CLINIC HELIPAD
4343-B YAQUI PASS ROAD
BORREGO SPRINGS, CA 92005

DRAWN	JOHN TAYLOR
CHECKED	
DATE	9 / 5 / 21
SCALE	1/20
JOB NO.	AIR METHODS
SHEET	HLP-2
OF	SHEETS