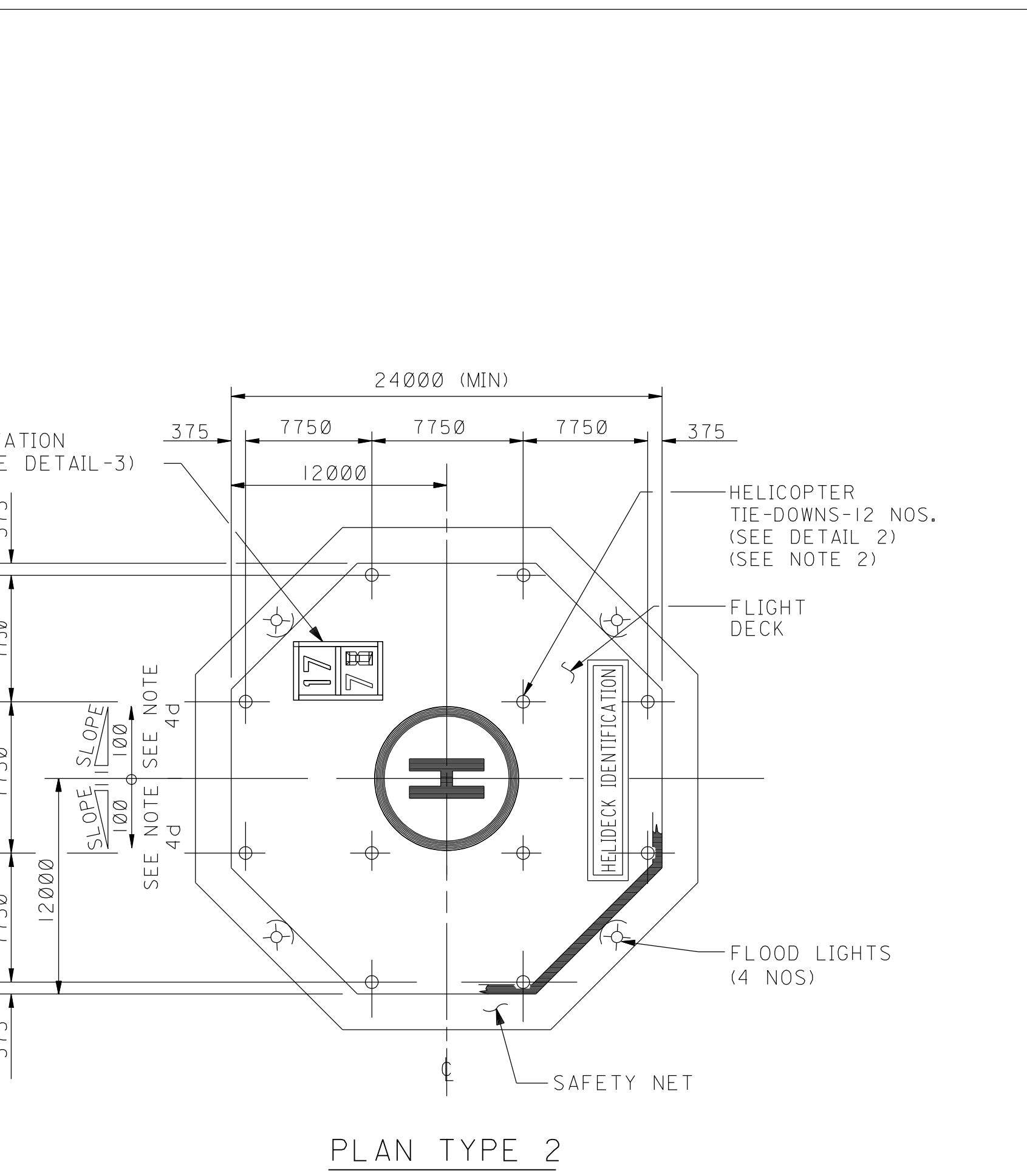
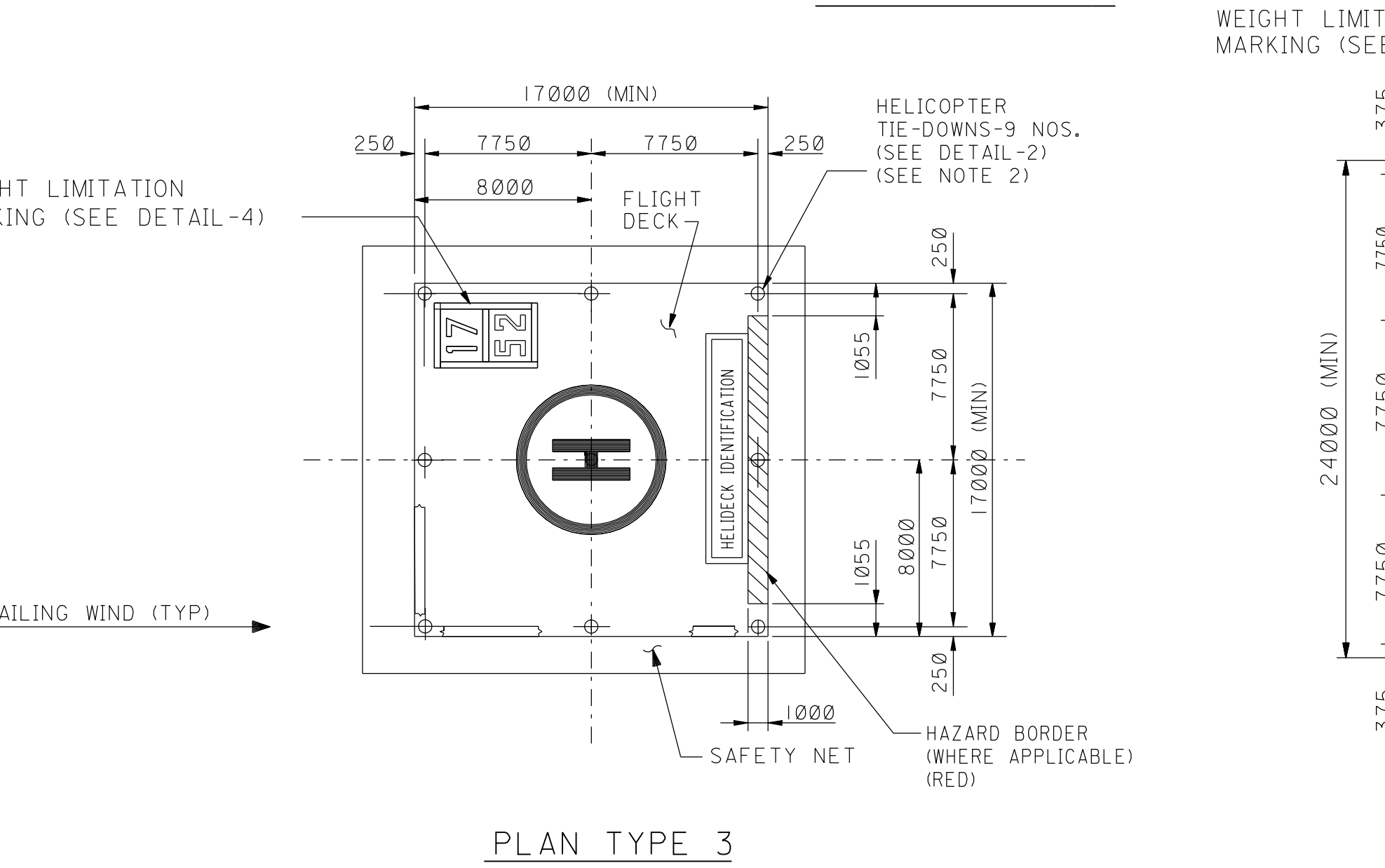
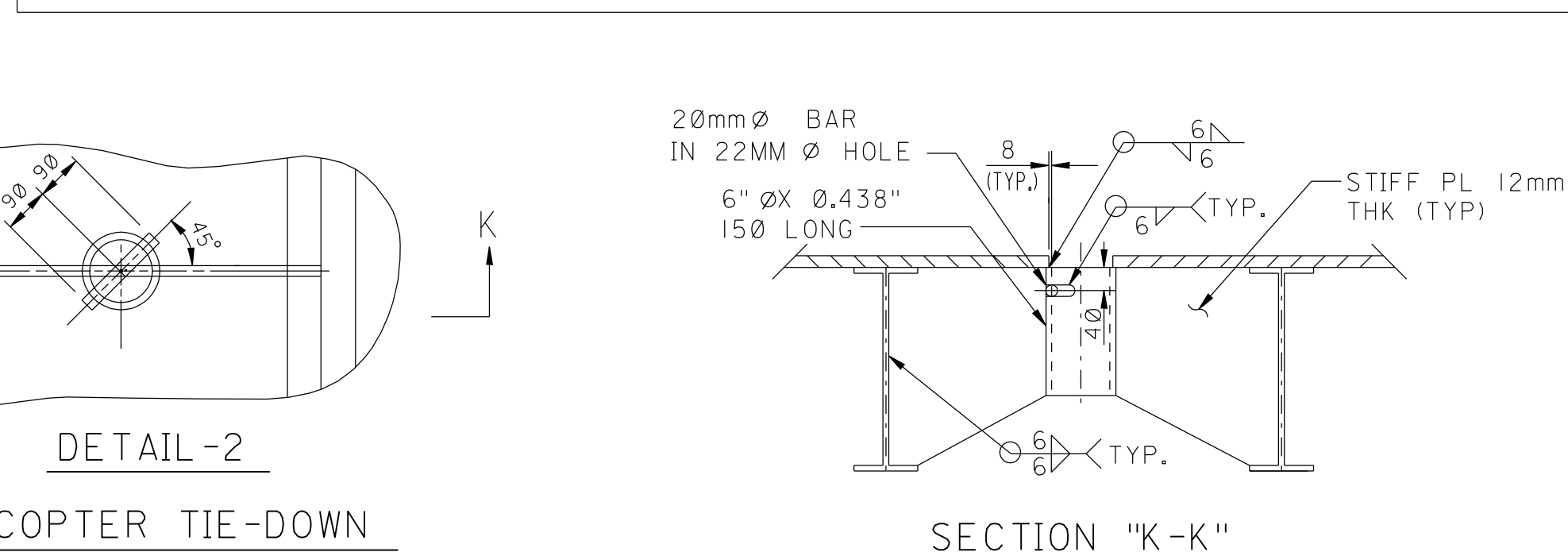
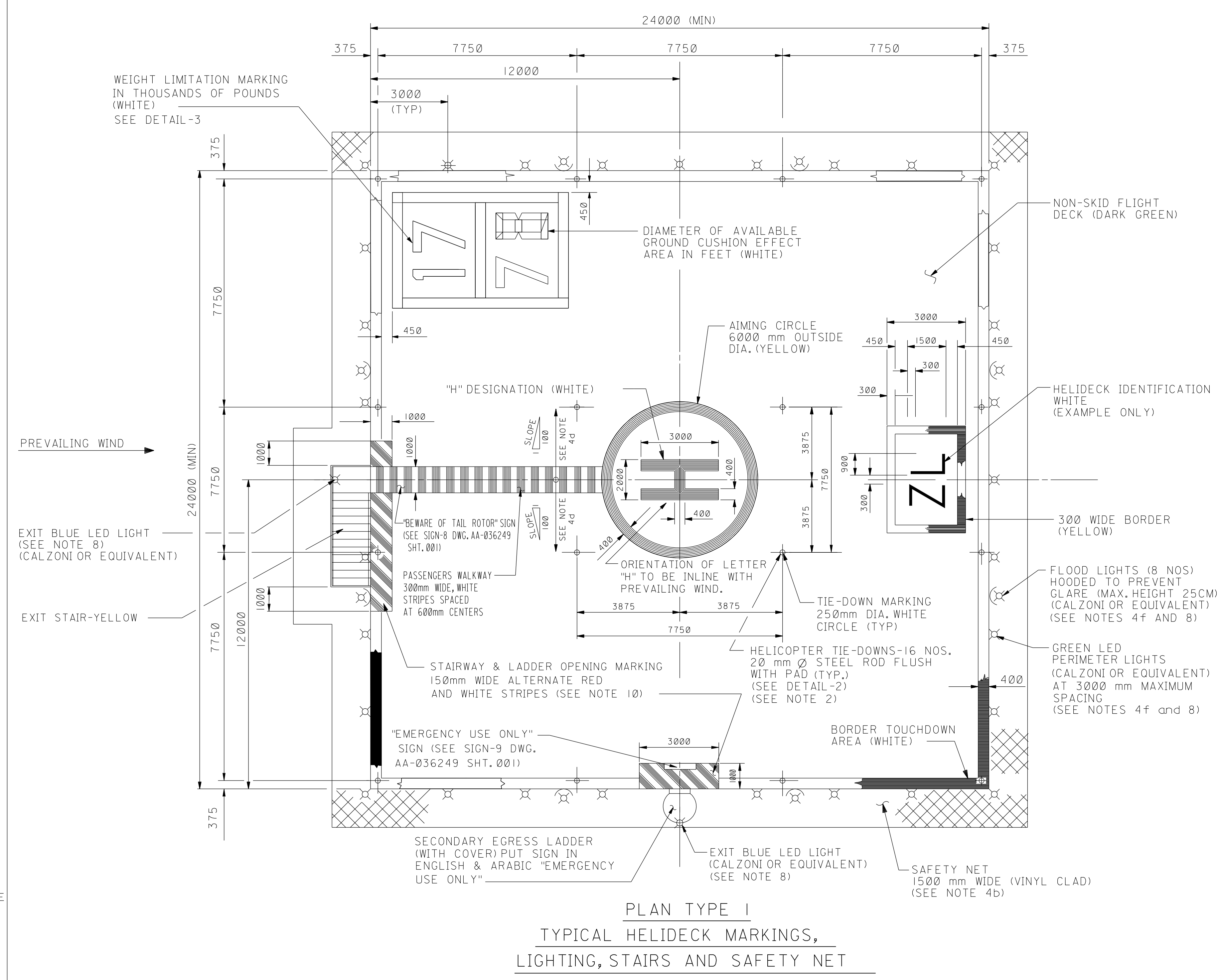
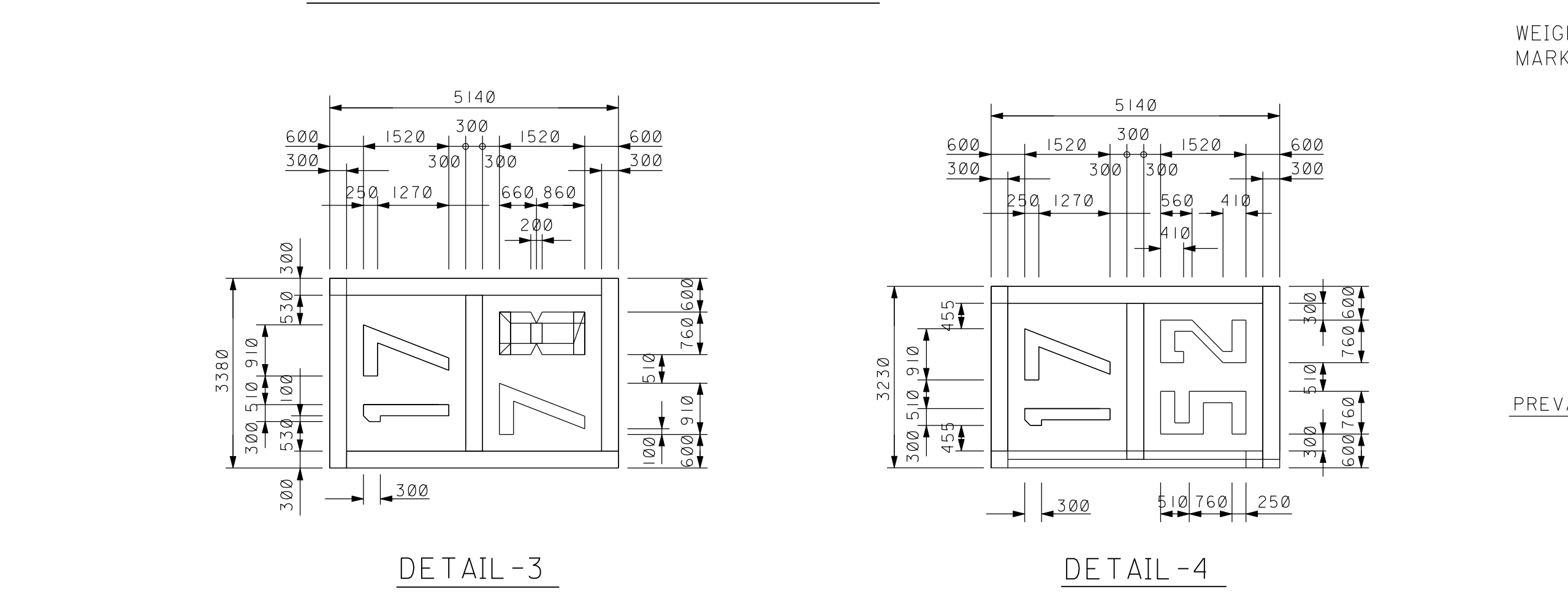
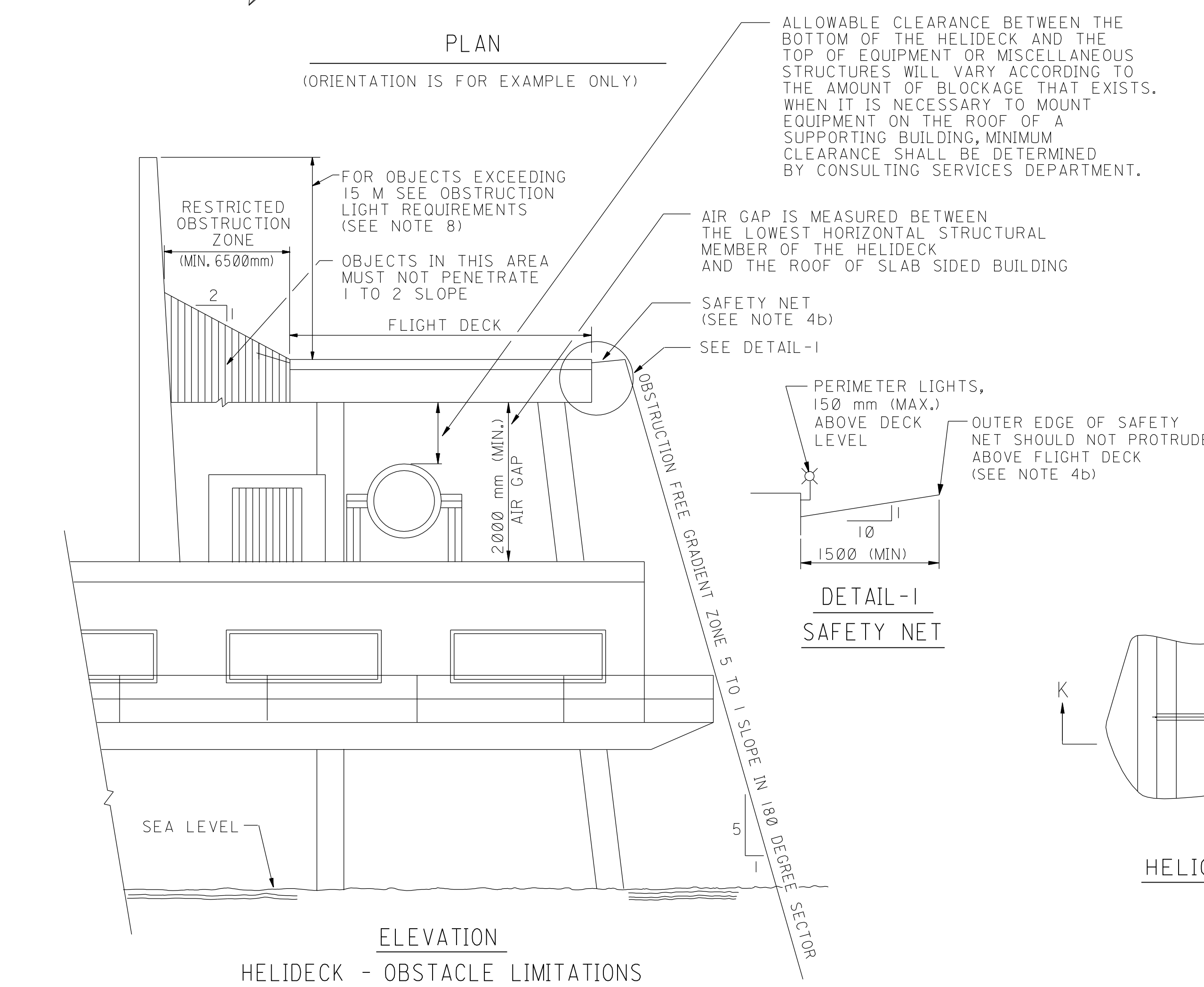
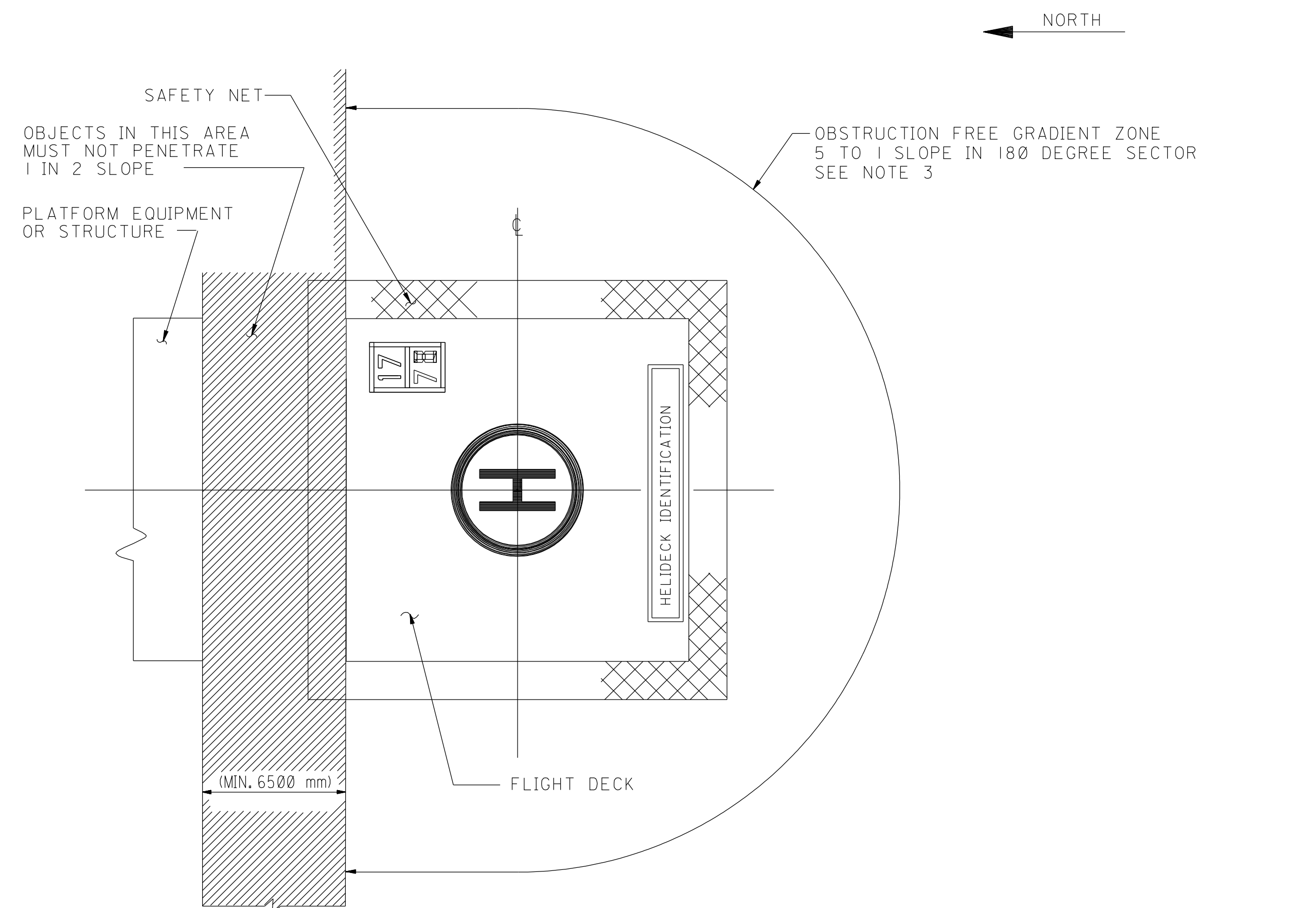




NOTES:

- OFFSHORE HELIDECKS SHALL BE DESIGNED IN ACCORDANCE WITH SAUDI ARAMCO STANDARD SAES-M-005, MANDATORY STANDARD DRAWINGS AA-036248, AA-036249, FAA ADVISORY CIRCULAR 150/5390 (LATEST EDITION) AND CAP 437 (LATEST EDITION). ALL UNSPECIFIED DESIGN ISSUES SHALL BE RESOLVED BY SAUDI ARAMCO CONSULTING SERVICES DEPARTMENT.
- TIE DOWN SPACING DIMENSIONS ARE TYPICAL ON ALL PLANS. DIMENSIONS MAY VARY ACCORDING TO SIZE OF BEAMS.
- OBSTACLE FREE ZONES, HORIZONTALLY AND VERTICALLY, SHALL BE MAINTAINED AS PER ICAO, ANNEX-14, VOLUME II (CHAPTER 4, "OBSTACLE RESTRICTION AND REMOVAL" SECTION 4.1.23 PAGE 11 AND DIAGRAM 4-2 ON PAGE 14).
- FIRE PROTECTION AND SAFETY REQUIREMENTS SHALL BE IN ACCORDANCE WITH SAUDI ARAMCO STANDARD SAES-B-009. PROVISIONS FOR SAFETY INCLUDE THE FOLLOWINGS:
 - STAIR AND EMERGENCY LADDER SHOWN IS TYPICAL FOR TYPE-1, 2 & 3 HELIDECKS. (SEE SAES-B-009)
 - THE INNER EDGE OF THE SAFETY NET SHALL BE BELOW FLIGHT DECK ELEVATION, AND SLOPE UP AND OUT AT MIN. 1 TO 10 SO AS NOT TO EXCEED FLIGHT DECK ELEVATION AT ANY POINT. SAFETY NET MUST SUPPORT 122 kgs/m² LOAD AT ANY POINT. (SEE DETAIL-1)
 - FIRE CONTROL EQUIPMENT SHALL BE PROVIDED IN ACCORDANCE WITH SAES-B-009.
 - HELIDECK IS SLOPED AT 1 mm IN 100 mm TO DRAIN ON TYPE 1 AND 2 HELIDECKS ONLY.
 - PERIPHERAL CUTTERS ARE REQUIRED ON TYPE 1 & 2 HELIDECKS TO SAFELY DIRECT THE FLOW OF SPILLED FUEL.
 - INSTALL PERIMETER LIGHTING AND FLOOD LIGHTS AS PER SAES-M-005 ON OFFSHORE HELIDECKS PROPOSED FOR NIGHT OPERATION. (SEE NOTE-8)
 - HELICOPTER TIE-DOWN OPENINGS SHALL BE CONNECTED TO A DRAINAGE LINE.
 - HELIDECK MARKINGS SHALL BE TYPICAL FOR TYPE 1, 2 & 3.
- PAINTING REQUIREMENTS FOR HELIDECK CONFORMED TO SAUDI ARAMCO PAINT SPECIFICATION SAES-H-001.
 - PRIMER AND TWO COATS OF EPOXY PAINT APCS-12 ON TOP OF HELIDECK.
 - THE FINAL COAT IS POLYURETHANE ENAMEL PAINT APCS-1E AS PER SAES-H-101.
 - COLOR SHADE: REFER TO UBERSICHTSKARTE RAL-K3 COLOR CARD.
- PAINTING IS PERFORMED AS FOLLOWS:

	RAL 6029	RAL 9016
A. FLIGHT DECK NON-SKID - DARK GREEN	RAL 6029	RAL 9016
B. BORDER OUTLINE OF FLIGHT DECK - WHITE	RAL 9016	RAL 1003
C. AIMING CIRCLE - YELLOW	RAL 1003	RAL 9016
D. WALKWAY - WHITE	RAL 9016	RAL 9016
E. DESIGNATION - "H" WHITE	RAL 9016	RAL 9016
F. LIMITATION MARKING - WHITE LETTERS	RAL 9016, 1003	RAL 9016, 1003
G. IDENTIFICATION MARKINGS WHITE LETTERS	RAL 9016, 1003	RAL 9016, 1003
H. STAIRWAY AND LADDER OPENING MARKING- ALTERNATE RED AND WHITE	RAL 3020, 9016	RAL 3020, 9016
I. HELICOPTER TIE-DOWN MARKING- WHITE	RAL 9016	RAL 9016
J. HAZARD BORDER (WHERE APPLICABLE) RED	RAL 3020	RAL 3020
- INSTALL WINDSOCK, ROTATING BEACON AND WIND INSTRUMENTS (WHERE REQUIRED) IN AREA OUTSIDE OF OBSTACLE FREE SECTOR. ON DECKS EQUIPPED WITH LIGHTING, WINDSOCK SHALL BE ILLUMINATED.
- FOR NIGHT OPERATION, INSTALL GREEN LED OMNIDIRECTIONAL LIGHTS TO OUTLINE THE HELIDECK BORDER.

WITH OMNIDIRECTIONAL RED LIGHTS OF AT LEAST 30 WATTS. WHERE THE HIGHEST POINT ON A PLATFORM EXCEEDS THE ELEVATION OF THE FLIGHT DECK BY MORE THAN 15M, AN OMNIDIRECTIONAL RED LIGHT MUST BE FITTED AT THAT POINT, WITH ADDITIONAL SUCH LIGHTS FITTED AT 10M INTERVALS DOWN TO THE ELEVATION OF THE FLIGHT DECK. AN EMERGENCY POWER SUPPLY MUST PROVIDE POWER TO THE PERIMETER AND OBSTRUCTION LIGHTING, AND LIGHTING ALONG THE HELIDECK ACCESS AND EGRESS ROUTES. LIGHTS SHOULD BE GUARDED, HAVE NO EXPOSED WIRING AND BE LOCATED SO AS NOT TO BE AN OBSTRUCTION.
- PREFERRED STAIR LOCATION IS THE NORTH SIDE, IF UNABLE TO LOCATE STAIRS ON NORTH SIDE, STAIRS SHALL BE POSITIONED ON THE EAST OR WEST SIDE. STAIRS SHALL NOT BE POSITIONED ON THE SOUTH SIDE OF THE HELIDECK. STAIR HANDRAIL SHALL BE FLUSH WITH THE DECK.
- ALL NEW HELIDECK DESIGNS AND CHANGES/ UPGRADING/ MODIFICATIONS TO EXISTING FACILITIES NEEDS TO BE REVIEWED BY AVIATION TO ENSURE COMPLIANCE WITH LATEST STANDARDS.
- FOR HELIDECK WARNING SIGNS DETAILS REFER STANDARD DRAWING NO. AA-036249.
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.

DRAWING RESPONSIBILITY:
OFFSHORE STANDARD COMMITTEE

SCALE: NONE

REVISION VALIDATION			
THIS REVISION NO. 07 IS COVERED, FOR ALL APPROVAL AND CERTIFICATION REQUIREMENTS, PER SAEP-334, UNDER DRAWING COMPLETION CERTIFICATE NO. 714330-0511-001			
DESIGN CERTIFICATION	REVIEW FOR KEY DRAWINGS	OTHER	
ENG./DATE	CERTIFIED BY/DATE	CONST. AGENCY/DATE	OPERATIONS/DATE
AAS 05/18/11	RAK 05/18/11		
REV. NO./DATE	REVISION DESCRIPTION		
07 05/14/11	INCREASE THE MIN. HELIDECK TYPE 3 DIMENSIONS TO 17M		
JOB ORDER/REV. NO. 714330		THIS REVISION IS NOT TO BE USED FOR CONSTRUCTION UNTIL CERTIFIED AND DATED	

SAUDI ARABIAN OIL COMPANY

PLANS & ELEVATION DRAWING TYPE **EQA**

OFFSHORE HELIDECKS TYPES 1, 2 & 3

STANDARD DRAWING

STD. DWG.		SAUDI ARABIA	
PLANT NO.	INDEX	DRAWING NUMBER	REV. NO.
990	A	AA-036248	001 07

Saudi Aramco 2615 ENG. (05/05)
CADD-05