

# BORKUM RIFFGRUND 1 (BKR-Z01 WINDFARM)

BORKUM RIFFGRUND 1 OFFSHORE WINDPARK A/S GMBH & CO.OHG  
NORMALLY UNATTENDED INSTALLATION (NUI)

<b>N 53° 57.85'</b>		<b>E 006° 33.94'</b>	
<b>BREMEN INFORMATION</b> 128.525 MHz		<b>DONG OPS</b> 131.900 MHz	
<b>WEATHER INFORMATION</b> 133.585 MHz 7 x		<b>LIGHTING &amp; DIMMING</b> 133.585 MHz 3 x 100%      3 x 30%      3 x 10%	
<b>HELIDECK HEIGHT</b> 129 ft MSL		<b>MTOW</b> 9,3 t	
<b>D-VALUE</b> 23 m		<b>LANDING NET</b> 15 x 15 m	
<b>APPROACH / DEPARTURE CORRIDOR</b> 090° / 270° VAR 1.6° E (2017)			
<b>HIGHEST OBSTACLE ON INSTALLATION</b> 20 ft ABOVE HLD (ANTENNA MAST)		<b>HIGHEST OBSTACLE IN THE VICINITY</b> 502 ft MSL (WTG)	
<b>REFUELLING FACILITY</b> N/A		<b>GROUND POWER UNIT</b> YES	



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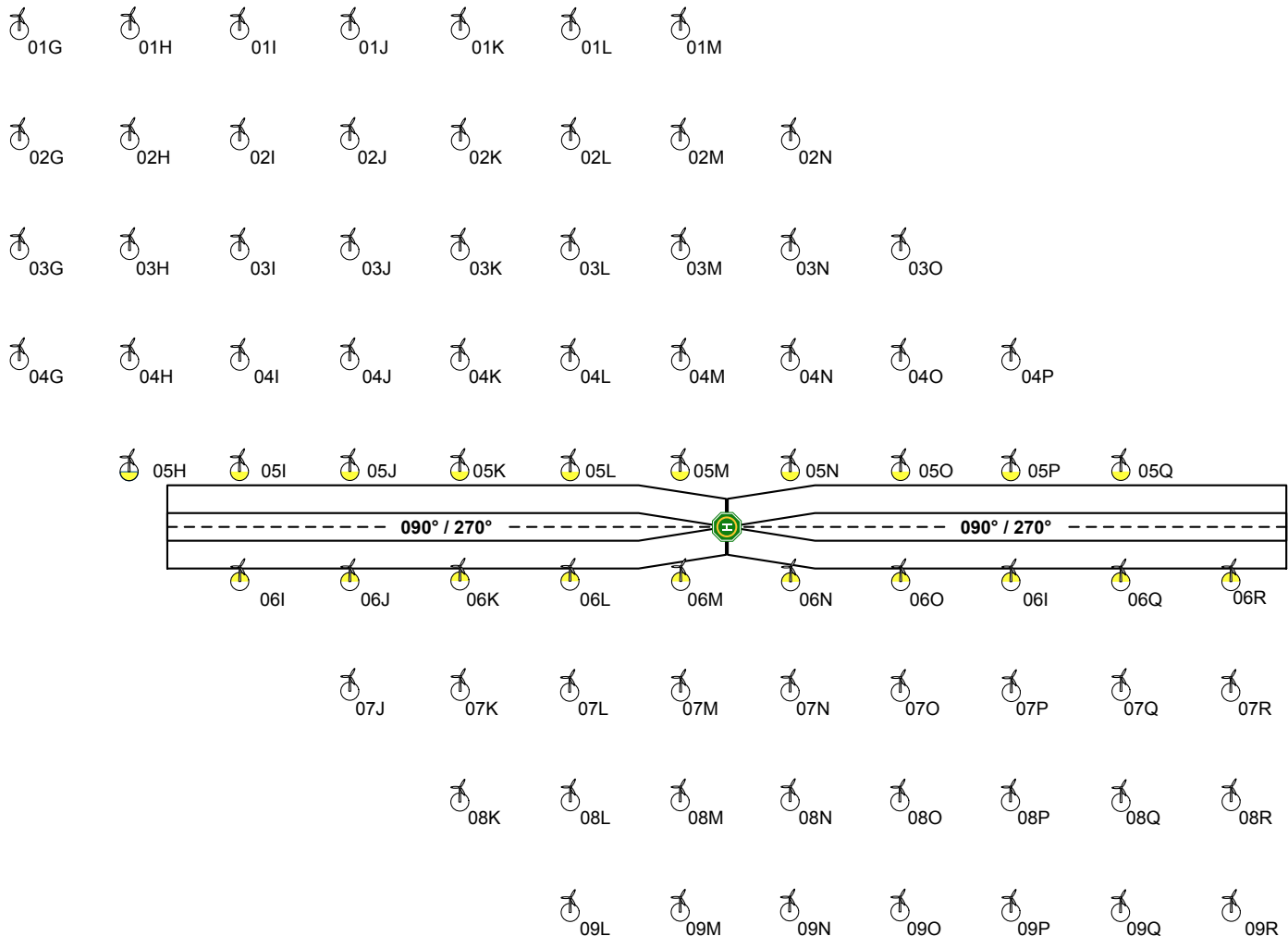
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<b>REFUELLING FACILITY</b> N/A		<b>GROUND POWER UNIT</b> YES	
<b>NON - COMPLIANCES</b>  • OBSTACLE MARKING CONCEPT PRESENTLY DEVIATES FROM LEGAL STIPULATIONS, I.E. OBSTACLES EXCEEDING THE HEIGHT OF AND IN PROXIMITY TO THE THE HELIDECK MIGHT NOT BE MARKED ACCORDINGLY (E.G. ANTENNA MAST, HAND RAILS, FLOOD LIGHTS, FLAME DETECTORS)		<b>LIMITATIONS</b>  • LANDINGS TO BE PERFORMED WITH LANDING NET FITTED ONLY	
<b>REMARKS</b>  • CONTACT DONG OPS PRIOR TO ENTERING OWF AND FOR FURTHER CLEARANCES • BE AWARE OF WTG IN CLOSE PROXIMITY TO HELIDECK			

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<b>REFUELLING FACILITY</b> N/A		<b>GROUND POWER UNIT</b> YES	

**WINDFARM LAYOUT**

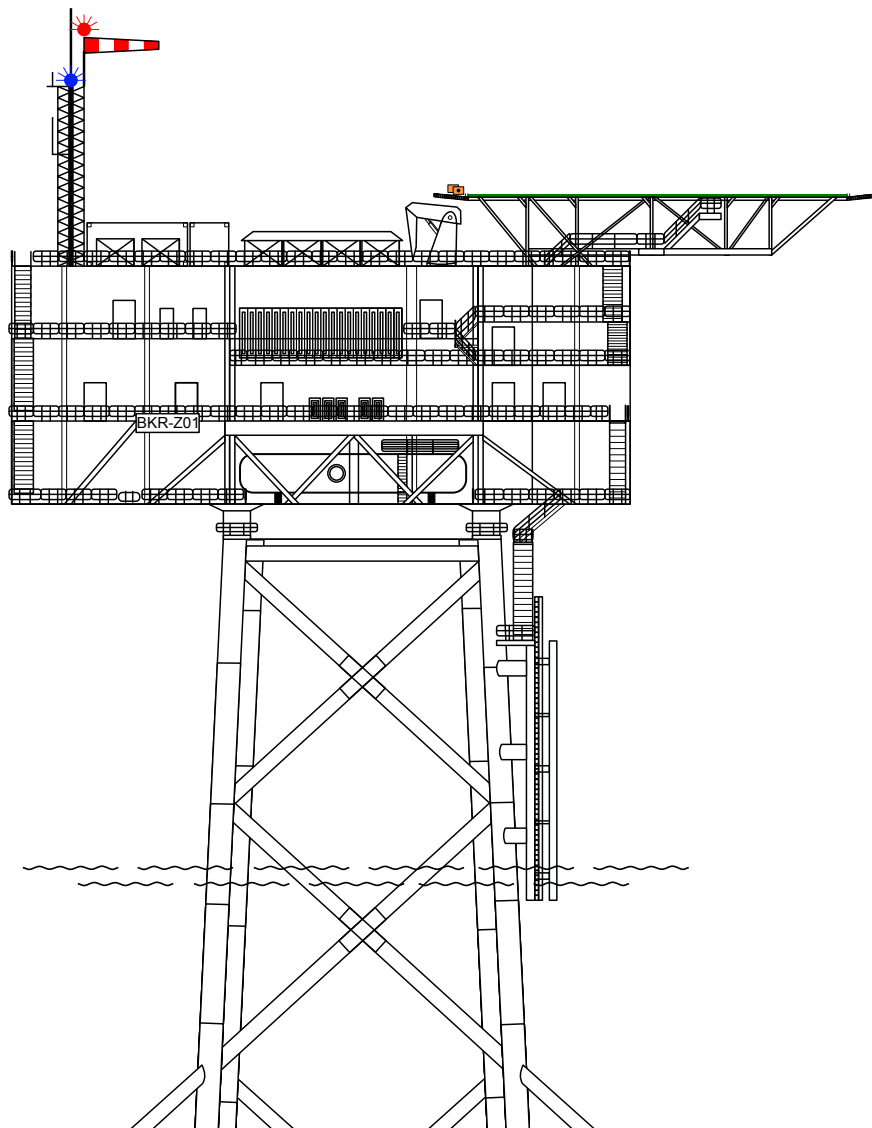


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## INSTALLATION PROFILE VIEW



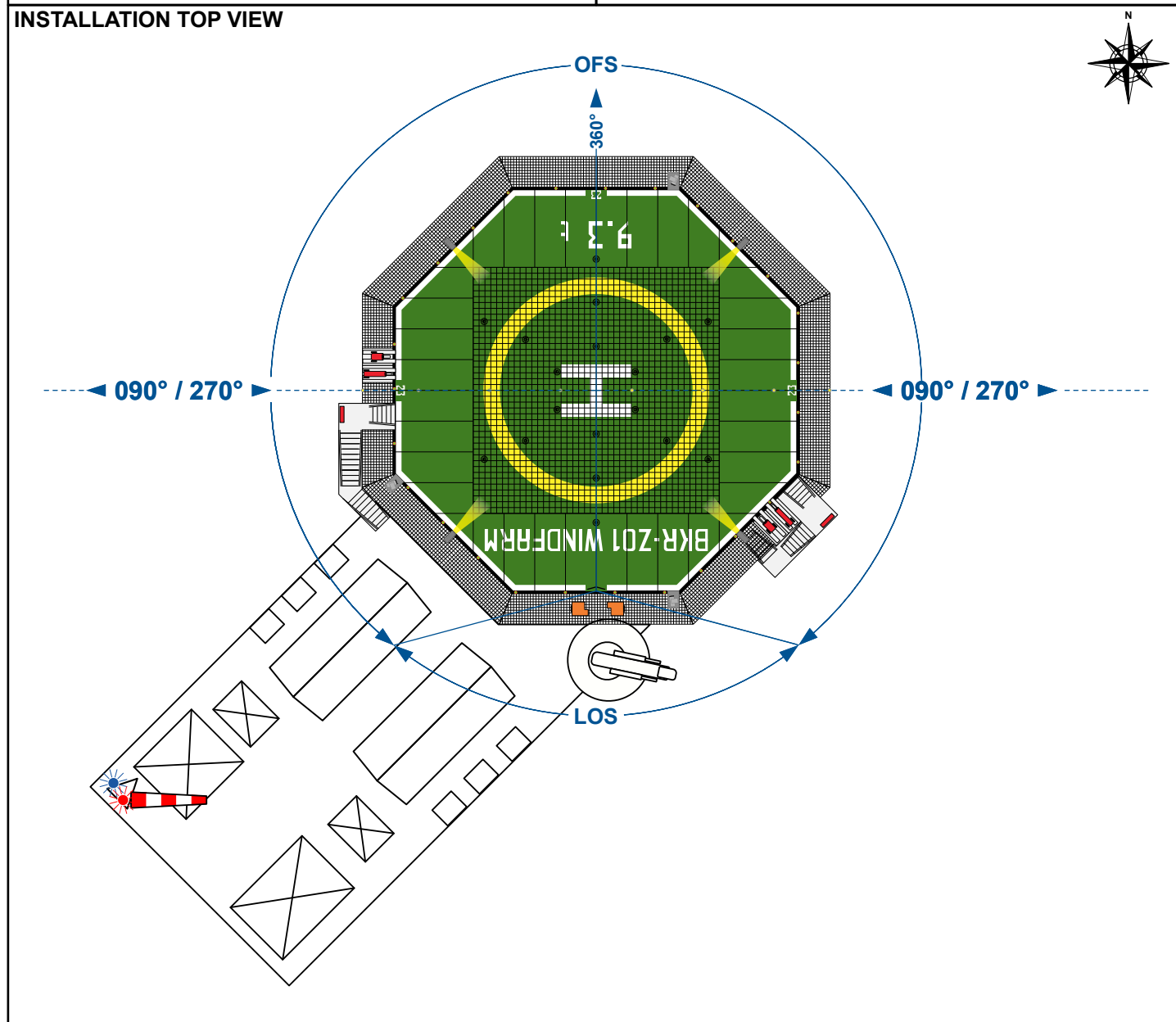
ALL COURSES TRUE

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<b>REFUELLING FACILITY</b> N/A		<b>GROUND POWER UNIT</b> YES	

**INSTALLATION TOP VIEW**



ALL COURSES TRUE

# BORKUM RIFFGRUND 1 (BKR-Z01 WINDFARM)

## DEPARTURE BR1 EE

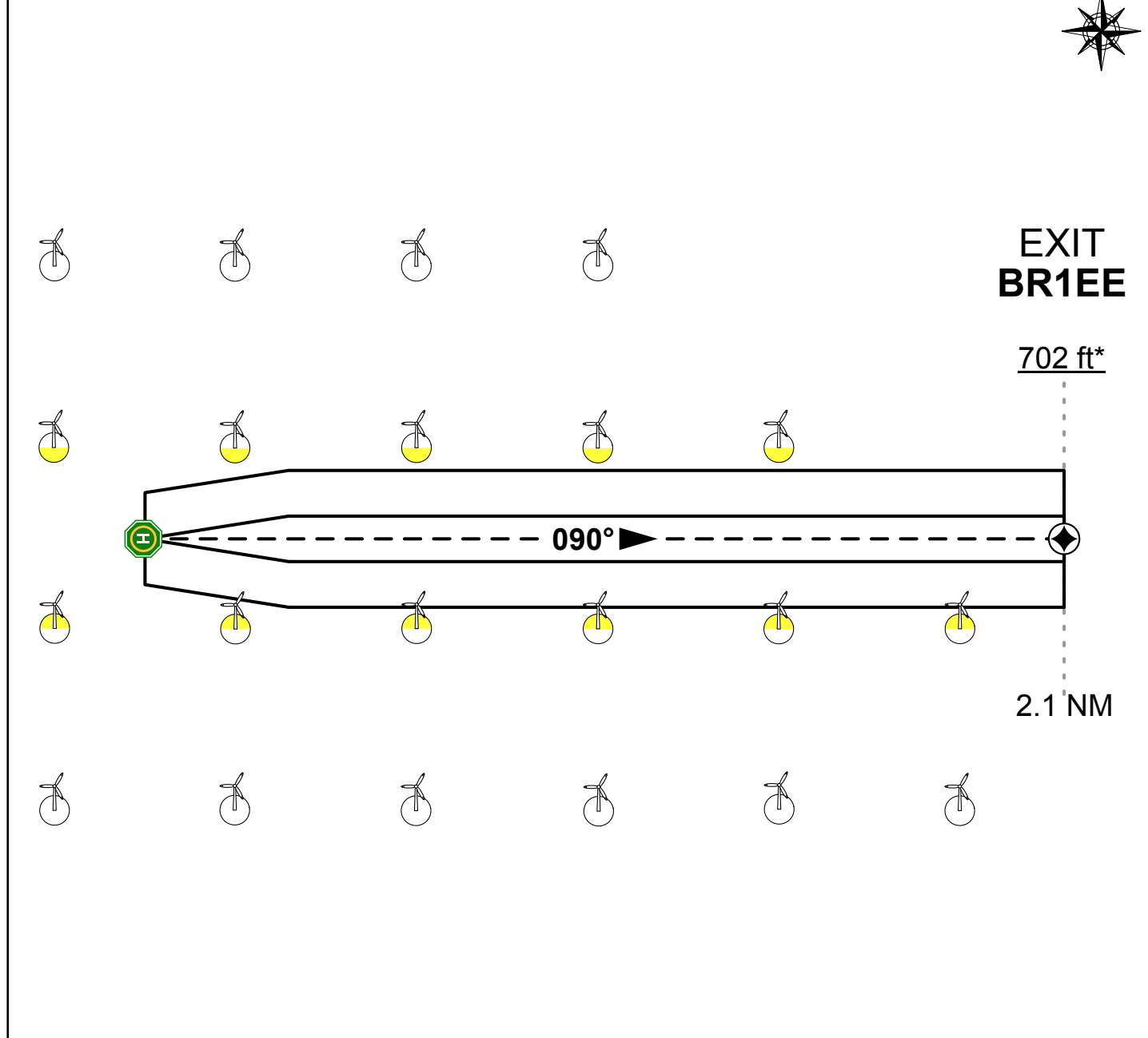
<b>N 53° 57.85'</b>	<b>EXIT POINT BR1EE</b>	<b>E 006° 37.50'</b>
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<b>DEPARTURE DIRECTION</b> <b>090°</b>
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**DEPARTURE PROCEDURE**

- **DEPART ON TRACK 090°**
- **OBSTACLE-FREE WHEN WITHIN DEPARTURE CORRIDOR**
- **ABOVE WTG HEIGHT WHEN PASSING 502 ft MSL**
- **CORRIDOR DESIGNED TO REACH 200 ft ABOVE WTG HEIGHT AT EXIT POINT BR1EE (4.5% CLIMB RATE)**

**DEPARTURE TOP VIEW**



VAR 1.6° E (2017)

# BORKUM RIFFGRUND 1 (BKR-Z01 WINDFARM)

## DEPARTURE BR1 EW

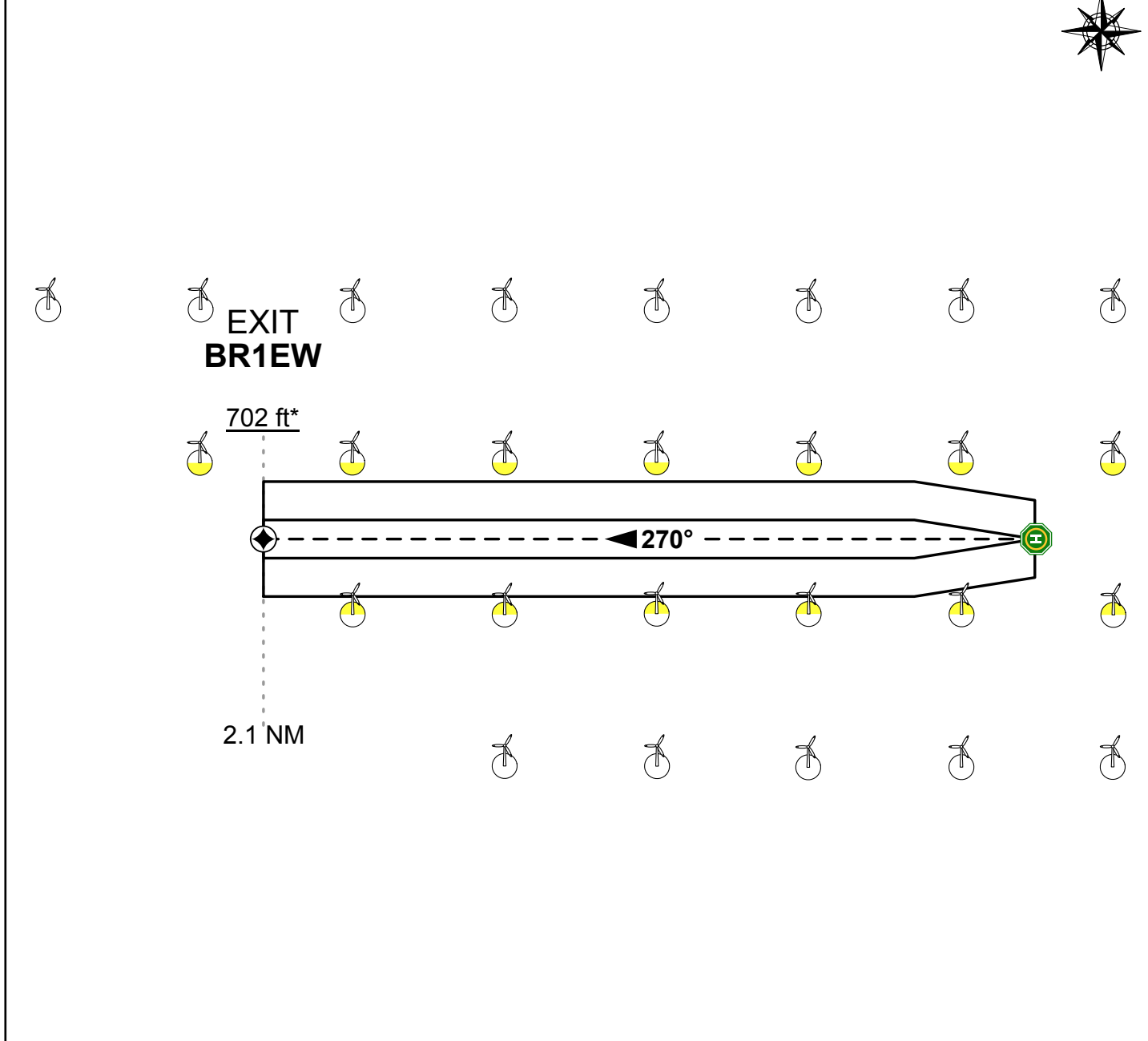
N 53° 57.85'	EXIT POINT BR1EW	E 006° 30.38'
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DEPARTURE DIRECTION 270°
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**DEPARTURE PROCEDURE**

- DEPART ON TRACK 270°
- OBSTACLE-FREE WHEN WITHIN DEPARTURE CORRIDOR
- ABOVE WTG HEIGHT WHEN PASSING 502 ft MSL
- CORRIDOR DESIGNED TO REACH 200 ft ABOVE WTG HEIGHT AT EXIT POINT BR1EE (4.5% CLIMB RATE)

**DEPARTURE TOP VIEW**



VAR 1.6° E (2017)