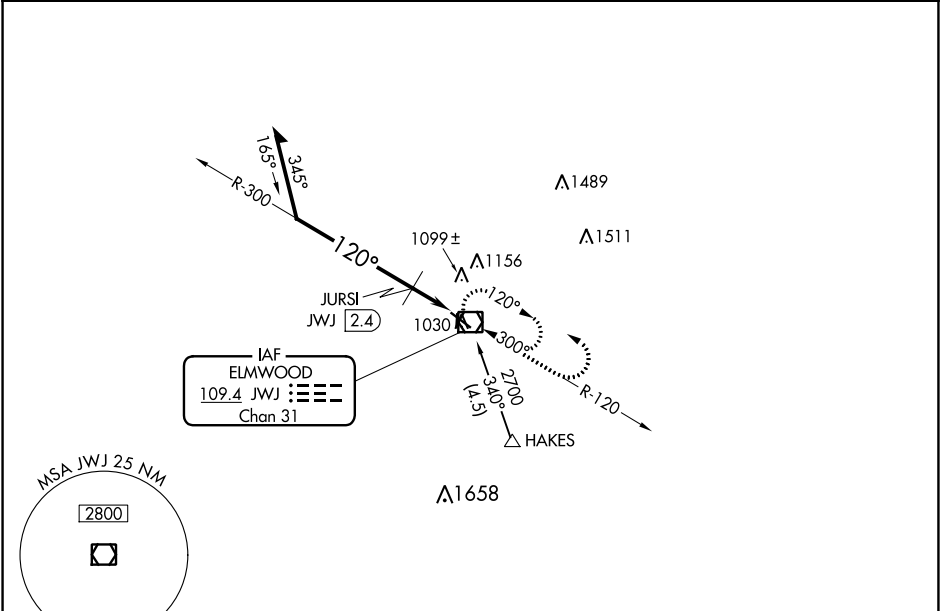


VOR/DME JWJ 109.4 Chan 31	APP CRS 120°	Rwy Idg 5007 TDZE 974 Apt Elev 975	VOR RWY 13 MARSHALLTOWN MUNI (MIW)
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⚠ Visibility reduction by helicopters NA. When local altimeter setting not received, use Grinnell altimeter setting and increase all MDA 80 feet; increase S-13 Cat C/D visibility ¼ SM and Circling Cat C visibility ⅛ SM and Cat D visibility ¼ SM, increase JURSI fix minimums Circling Cat D visibility ¼ SM. Circling Rwy 18, 36 NA at night.

MISSED APPROACH: Climb to 2700 then left turn direct JWJ VOR/DME and hold.

ASOS 128.325	WATERLOO APP CON ★ 120.9	CLNC DEL 120.9	UNICOM 122.8 (CTAF) 📻
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ELEV 975		TDZE 974	
Remain within 10 NM		JWJ VOR/DME	
2700		JWJ	
120°		*1640 when using Grinnell altimeter setting.	
*1560		JWJ	
3.11°		120° to VOR/DME	
TCH 42		36	
1.7 NM		5007 X 100	
0.8		2759 X 50	
CATEGORY	A	B	C
S-13	1560-1	586 (600-1)	1560-1½ 586 (600-1½)
Ⓢ CIRCLING	1560-1	585 (600-1)	1560-1¾ 585 (600-1¾)
JURSI FIX MINIMUMS			
S-13	1360-1	386 (400-1)	1360-1¼ 386 (400-1¼)
Ⓢ CIRCLING	1400-1 425 (500-1)	1440-1 465 (500-1)	1460-1½ 485 (500-1½)
			1840-2¾ 865 (900-2¾)
MIRL Rwy 13-31 and 18-36 📻			
REIL Rwy 13 and 31 📻			