



FREESTYLE COURSE STANDARDS MANUAL

AERIALS

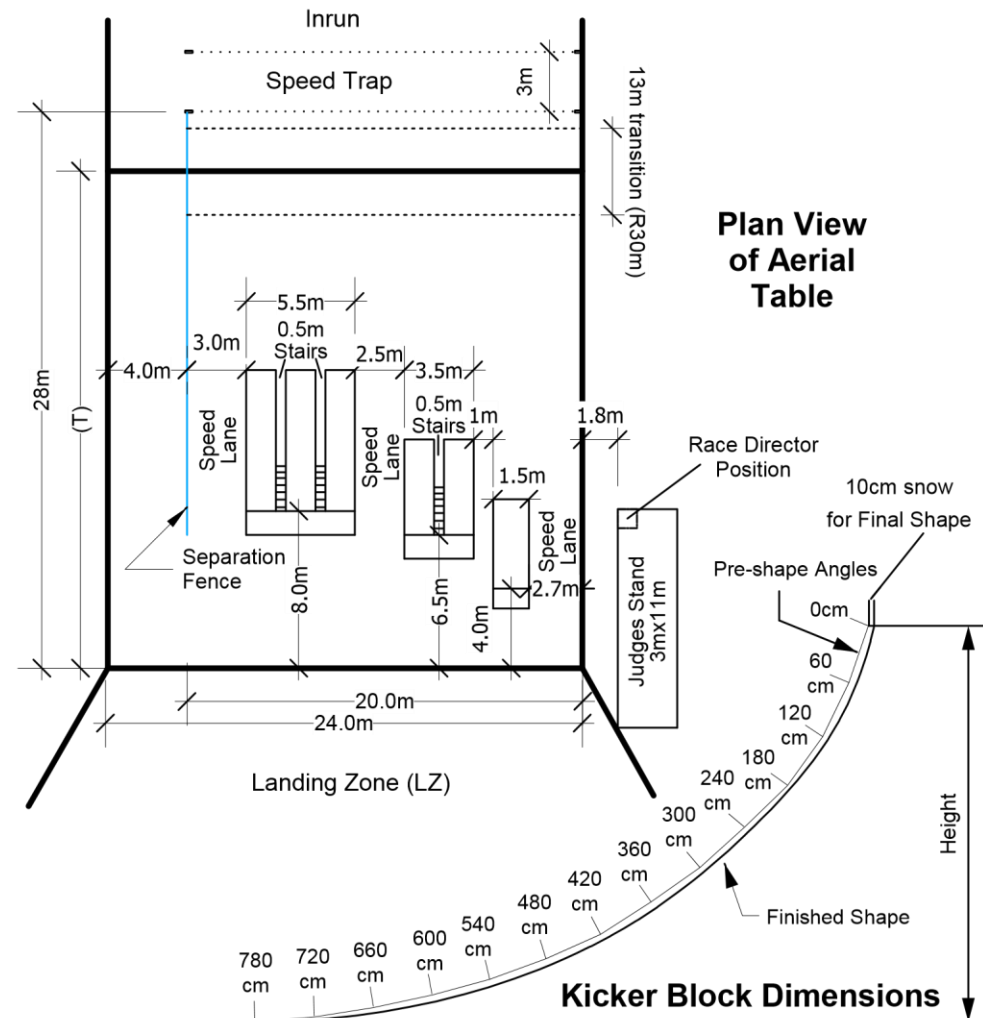
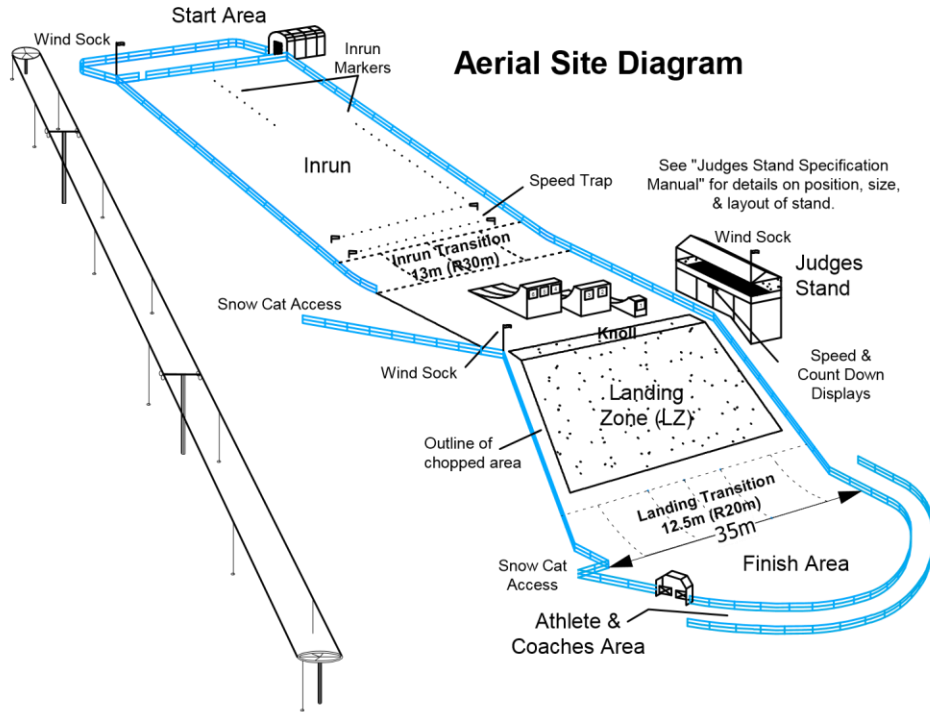
MOGULS

DUAL MOGULS

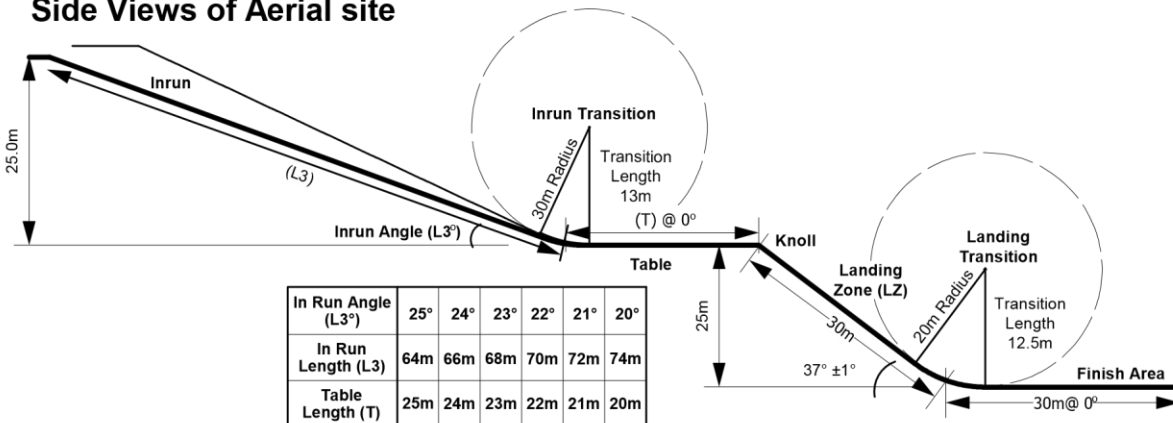
EDITION October 2020

Aerial Site Specifications - ICR 4105.2.1

Version 22/10/2020



Side Views of Aerial site

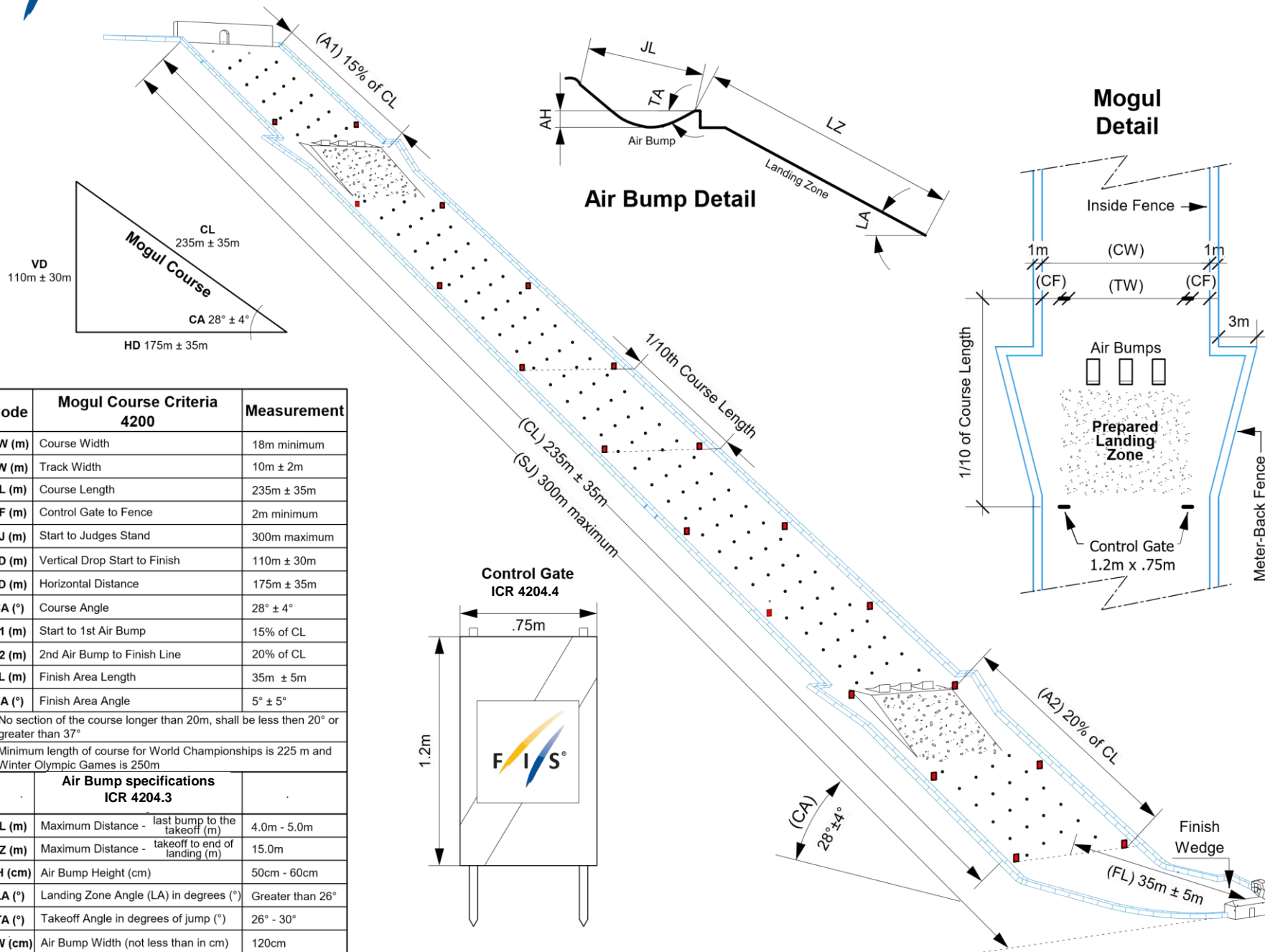


Distance from take-off (cm)	Small/Single	Med/Double	Big/Triple
60cm	50.0°	65.0°	70.0°
120cm	45.0°	58.0°	64.5°
180cm	30.0°	48.0°	53.5°
240cm	27.0°	40.0°	44.0°
300cm	14.0°	36.0°	41.5°
360cm	10.0°	32.0°	35.0°
420cm	5°	26.0°	32.5°
480cm	0°	20.0°	24.0°
540cm	0°	14.0°	20.0°
600cm	0°	0°	15.0°
660cm			12.0°
720cm			8.5°
780cm			5.5°
Distance to Knoll (DK)	4.0m	6.5m	8.0m
Block Height	2.0m	3.5m	4.0m
Horizontal Length	5.5m	6.0m	8.3m
Width	1.5m	Single block 3.5m wide	Single block 5.5m wide



Mogul Course Specifications - ICR 4204

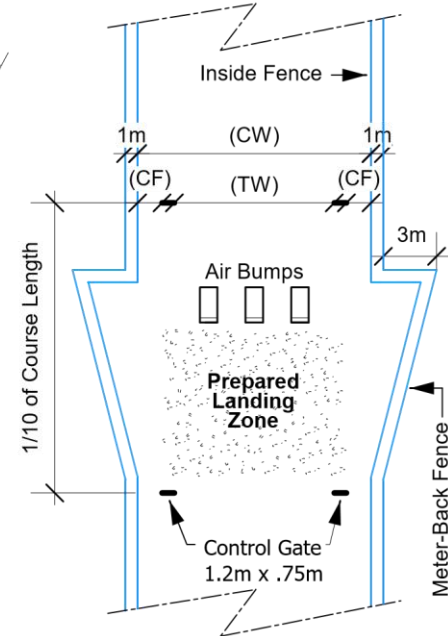
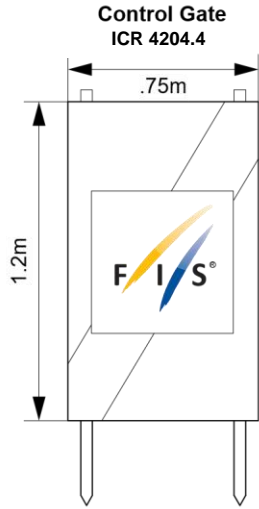
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Air Bump Detail

Mogul Detail

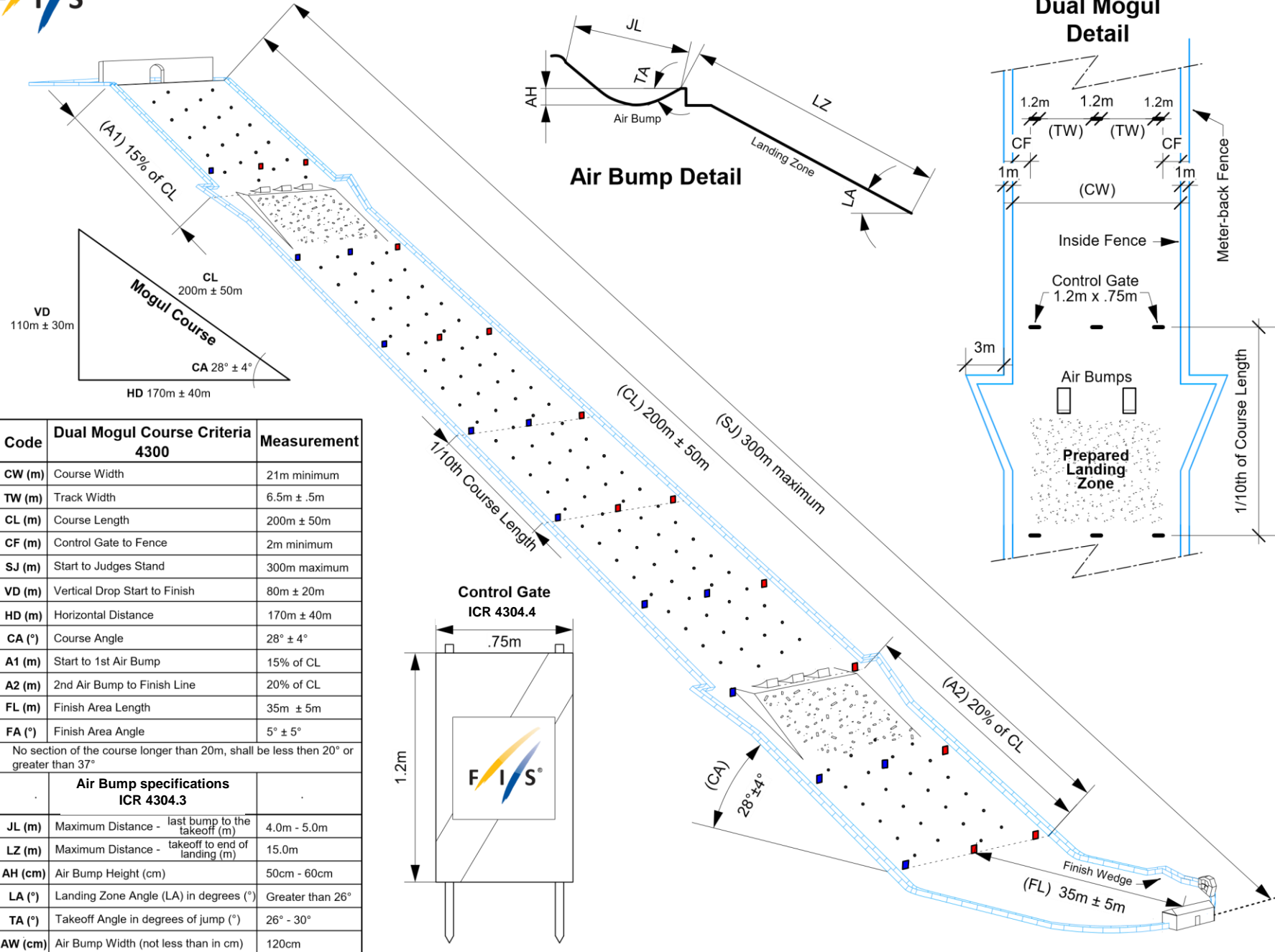
Code	Mogul Course Criteria 4200	Measurement
CW (m)	Course Width	18m minimum
TW (m)	Track Width	10m ± 2m
CL (m)	Course Length	235m ± 35m
CF (m)	Control Gate to Fence	2m minimum
SJ (m)	Start to Judges Stand	300m maximum
VD (m)	Vertical Drop Start to Finish	110m ± 30m
HD (m)	Horizontal Distance	175m ± 35m
CA (°)	Course Angle	28° ± 4°
A1 (m)	Start to 1st Air Bump	15% of CL
A2 (m)	2nd Air Bump to Finish Line	20% of CL
FL (m)	Finish Area Length	35m ± 5m
FA (°)	Finish Area Angle	5° ± 5°
No section of the course longer than 20m, shall be less than 20° or greater than 37°		
Minimum length of course for World Championships is 225 m and Winter Olympic Games is 250m		
Air Bump specifications ICR 4204.3		
JL (m)	Maximum Distance - last bump to the takeoff (m)	4.0m - 5.0m
LZ (m)	Maximum Distance - takeoff to end of landing (m)	15.0m
AH (cm)	Air Bump Height (cm)	50cm - 60cm
LA (°)	Landing Zone Angle (LA) in degrees (°)	Greater than 26°
TA (°)	Takeoff Angle in degrees of jump (°)	26° - 30°
AW (cm)	Air Bump Width (not less than in cm)	120cm





Dual Mogul Course Specifications - ICR 4304

Version 22/10/2020



Code	Dual Mogul Course Criteria 4300	Measurement
CW (m)	Course Width	21m minimum
TW (m)	Track Width	6.5m ± .5m
CL (m)	Course Length	200m ± 50m
CF (m)	Control Gate to Fence	2m minimum
SJ (m)	Start to Judges Stand	300m maximum
VD (m)	Vertical Drop Start to Finish	80m ± 20m
HD (m)	Horizontal Distance	170m ± 40m
CA (°)	Course Angle	28° ± 4°
A1 (m)	Start to 1st Air Bump	15% of CL
A2 (m)	2nd Air Bump to Finish Line	20% of CL
FL (m)	Finish Area Length	35m ± 5m
FA (°)	Finish Area Angle	5° ± 5°
No section of the course longer than 20m, shall be less than 20° or greater than 37°		
Air Bump specifications ICR 4304.3		
JL (m)	Maximum Distance - last bump to the takeoff (m)	4.0m - 5.0m
LZ (m)	Maximum Distance - takeoff to end of landing (m)	15.0m
AH (cm)	Air Bump Height (cm)	50cm - 60cm
LA (°)	Landing Zone Angle (LA) in degrees (°)	Greater than 26°
TA (°)	Takeoff Angle in degrees of jump (°)	26° - 30°
AW (cm)	Air Bump Width (not less than in cm)	120cm

