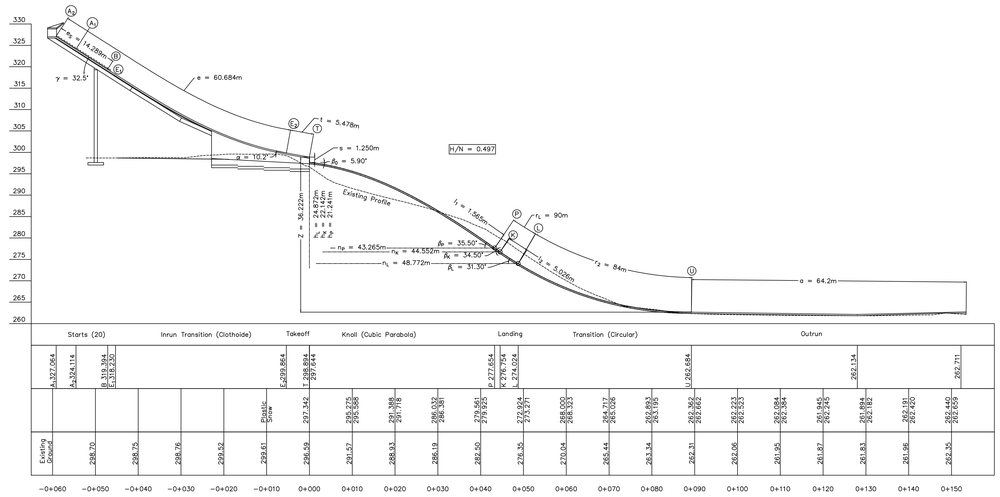
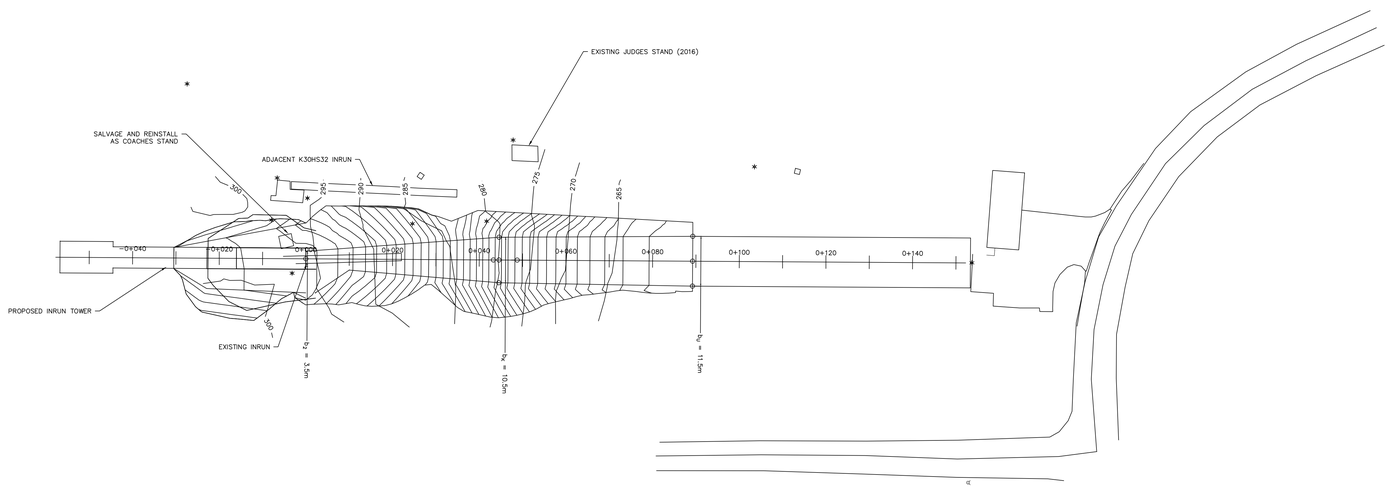
PROFILE VERTICAL M 1:500
PROFILE HORIZONTAL M 1:500



LAYOUT M 1:500



Mount Washington HS55
Flying Eagles Ski Club
Eau Claire, Wisconsin
USA

HS55 (K50)

PARAMETERS		
e = 60.73m (A_2)	l_1 = 1.565m	P = 48.43m
e_S = 14.29m	l_2 = 5.026m	K = 50.00m
t = 5.478m	a = 64.2m	L = 55.03m
γ = 32.5°	β_P = 35.5°	b_I = 2.1m
α = 10.2°	β_K = 34.5°	b_K = 10.5m
r_1 = 67M (CLOTH)	β_A = 31.3°	b_A = 11.5m
h_K = 22.142m	r_1 = 90m	Z = 36.21m
n_K = 44.552m	r_2 = 84m	V_0 = 20.26m/s
h_P = 21.241m	n_P = 43.265m	s = 1.250m

DESIGN NOTES:

Inrun track is refrigerated ice. Point A_1 is calculated using ρ=1°. Additional inrun length to Point A_2 is provided for slower summer track conditions with ρ=3°.

Point B is established using an athlete performance increase of 1.06.

Specifications are "Standards for the Construction of Jumping Hills - 2012" by FIS and authored by Hans-Heini Gasser, revised August 2015.

APPROVED:

PROJECT ENGINEER:

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As-Built Drawn By: -

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