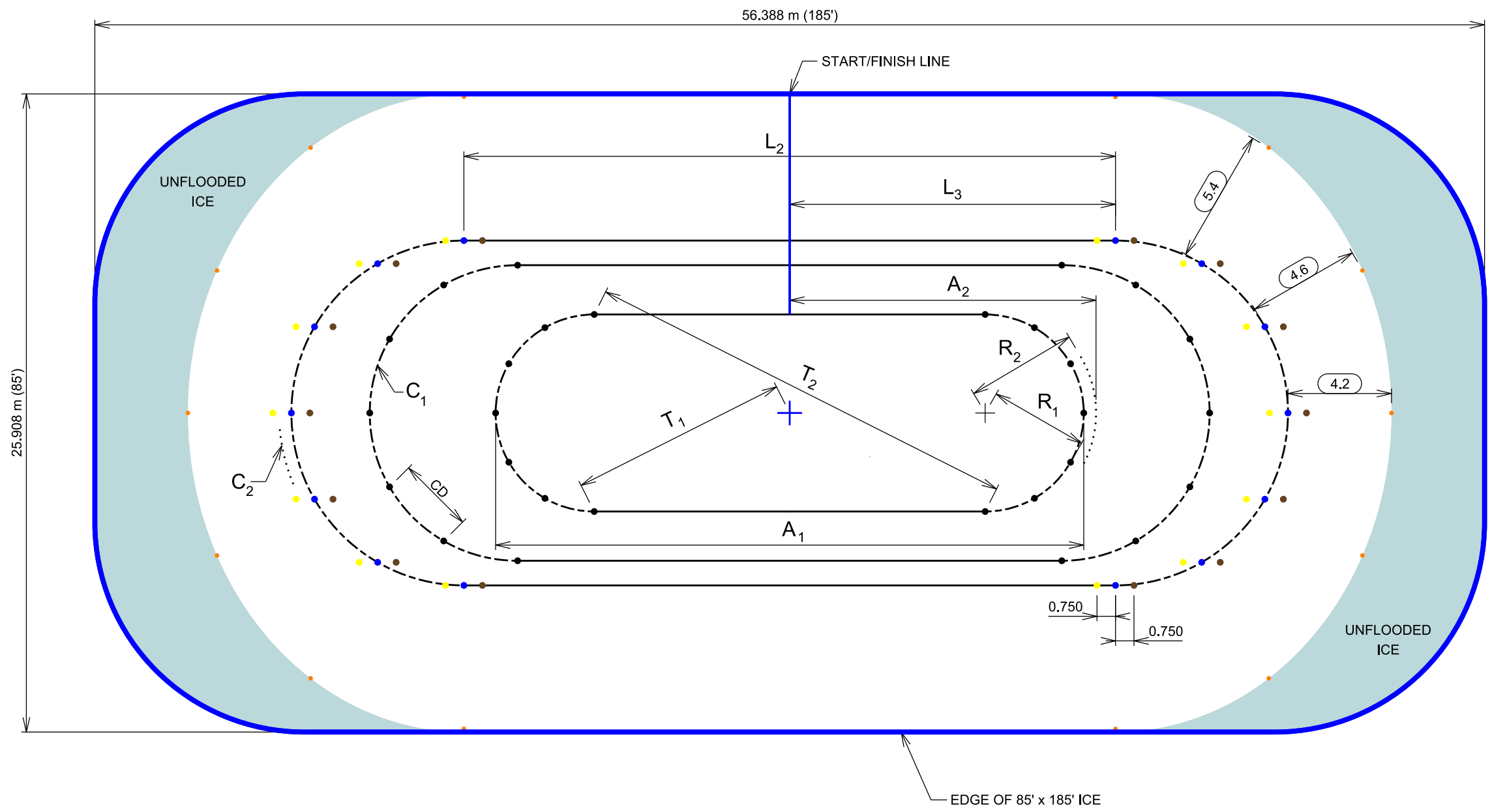


Track Dimension Summary: 4.0 m Radius, 60.000 m Skated Track			
Description	Formula For Calculation	Value	
Straights			
L ₁	Total Length of Straights	TD ₂ - C ₂	31.726
L ₂	Length of One Straight	L ₁ /2	15.863
L ₃	Length of 1/2 of One Straight	L ₁ /4	7.931
T ₁	Center to Start of Curve	$(T_1)^2 = (R_1)^2 + (L_3)^2$	8.883
T ₂	Start of Curve to Start of Curve (Measured on a diagonal)	T ₁ *2	17.766
A ₁	Mid-Point of Curve to Mid-Point of Curve	L ₂ +(R ₁ *2)	23.863
A ₂	Center to Mid-Point of Curve	A ₁ /2	11.931
Curves			
R ₁	Layout Curve Radius	Curve Radius	4.000
R ₂	Skated Radius	R ₁ +0.500	4.500
C ₁	Marked Track Curve Distance	2*R ₁ *PI	25.133
C ₂	Skated Track Curve Distance	2*R ₂ *PI	28.274
a	Arc Length Between 2 Blocks	C ₁ /12	2.094
∅	Angle Between Blocks From Radius Center (Radians)	a/R ₁	0.52360
CD	Chord Distance Between Blocks	2*R ₁ *sin(∅/2)	2.071
Total Distance			
TD ₁	Total Distance at Blocks	L ₁ +C ₁	56.858
TD ₂	Total Distance Skated Track	Total Track Skated	60.000

Track Dimension Summary: 6.0 m Radius, 85.000 m Skated Track			
Description	Formula For Calculation	Value	
Straights			
L ₁	Total Length of Straights	TD ₂ - C ₂	44.159
L ₂	Length of One Straight	L ₁ /2	22.080
L ₃	Length of 1/2 of One Straight	L ₁ /4	11.040
T ₁	Center to Start of Curve	$(T_1)^2 = (R_1)^2 + (L_3)^2$	12.565
T ₂	Start of Curve to Start of Curve (Measured on a diagonal)	T ₁ *2	25.130
A ₁	Mid-Point of Curve to Mid-Point of Curve	L ₂ +(R ₁ *2)	34.080
A ₂	Center to Mid-Point of Curve	A ₁ /2	17.040
Curves			
R ₁	Layout Curve Radius	Curve Radius	6.000
R ₂	Skated Radius	R ₁ +0.500	6.500
C ₁	Marked Track Curve Distance	2*R ₁ *PI	37.699
C ₂	Skated Track Curve Distance	2*R ₂ *PI	40.841
a	Arc Length Between 2 Blocks	C ₁ /12	3.142
∅	Angle Between Blocks From Radius Center (Radians)	a/R ₁	0.52360
CD	Chord Distance Between Blocks	2*R ₁ *sin(∅/2)	3.106
Total Distance			
TD ₁	Total Distance at Blocks	L ₁ +C ₁	81.858
TD ₂	Total Distance Skated Track	Total Track Skated	85.000

Track Dimension Summary: 7.0 m Radius, 100.000 m Skated Track			
Description	Formula For Calculation	Value	
Straights			
L ₁	Total Length of Straights	TD ₂ - C ₂	52.876
L ₂	Length of One Straight	L ₁ /2	26.438
L ₃	Length of 1/2 of One Straight	L ₁ /4	13.219
T ₁	Center to Start of Curve	$(T_1)^2 = (R_1)^2 + (L_3)^2$	14.958
T ₂	Start of Curve to Start of Curve (Measured on a diagonal)	T ₁ *2	29.916
A ₁	Mid-Point of Curve to Mid-Point of Curve	L ₂ +(R ₁ *2)	40.438
A ₂	Center to Mid-Point of Curve	A ₁ /2	20.219
Curves			
R ₁	Layout Curve Radius	Curve Radius	7.000
R ₂	Skated Radius	R ₁ +0.500	7.500
C ₁	Marked Track Curve Distance	2*R ₁ *PI	43.982
C ₂	Skated Track Curve Distance	2*R ₂ *PI	47.124
a	Arc Length Between 2 Blocks	C ₁ /12	3.665
∅	Angle Between Blocks From Radius Center (Radians)	a/R ₁	0.52360
CD	Chord Distance Between Blocks	2*R ₁ *sin(∅/2)	3.623
Total Distance			
TD ₁	Total Distance at Blocks	L ₁ +C ₁	96.858
TD ₂	Total Distance Skated Track	Total Track Skated	100.000



NOTE: PRINT DIAGRAM ON 11" X 17" PAPER

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 SCALE 1:200

PROJECT TITLE
**60 m, 85 m & 100 m Training Tracks
 on 25.908 m x 56.388 m Ice**

DRAWING TITLE
 4 m Radius / 60.000 m Skated
 6 m Radius / 85.000 m Skated
 7 m Radius / 100.000 m Skated

Speed Skating Canada
 2781 Lancaster Road, Suite 402
 Ottawa, Ontario, K1B 1A7
 Tel: (613) 260-3669 Fax: (613) 260-3660
 Email: ssc@speedskating.ca