



**Application for Approval of Plans**

For \_\_\_\_\_

**Aerial Tramway, Chair or Gondola, J-Bar, T-Bar, Rope Tow, Poma Lift, Skimobile, Etc.**

Please mail plans in triplicate to the address above.

Enter plan number of any plans previously examined by the Department of Labor for this project:  
 \_\_\_\_\_ Date: \_\_\_\_\_

**Instructions**

Filing of Plans and Specifications is required for new or altered installations of ski-tows and other passenger tramways, as specified in Industrial Code Rule 32 (12NYCRR32)

1. Proposed work located at:  
 Street number address (if known): \_\_\_\_\_  
 North     East     South     West    side of \_\_\_\_\_  
 1a. Distant \_\_\_\_\_ Feet \_\_\_\_\_ Miles  
 North     East     South     West    Of \_\_\_\_\_  
 City     Town     Village    Of \_\_\_\_\_
2. \_\_\_\_\_
- 2a. County: \_\_\_\_\_
3. Owner: \_\_\_\_\_
4. Owner's Address: \_\_\_\_\_
5. Lessee: \_\_\_\_\_
6. Lessee's Address: \_\_\_\_\_
7. Design Engineer: \_\_\_\_\_
8. Engineer's Address: \_\_\_\_\_
9. Installing Contractor: \_\_\_\_\_
10. Contractor's Address: \_\_\_\_\_
11. Estimated Cost of Installation (tramway only): \_\_\_\_\_
12.  New Installation
13.  Alteration Date: \_\_\_\_\_
14. Present Certificate Number: \_\_\_\_\_
15. Details of Alterations: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Main Drive**

- Electric Motor
16. H.P. \_\_\_\_\_
  17. R.P.M. \_\_\_\_\_
  18. Voltage \_\_\_\_\_
  19. Phase \_\_\_\_\_
  20. Motor Overload Protection Type \_\_\_\_\_
  21. Power Equipment Protection  
 Fused     Circuit Breaker

- Internal Combustion Engine
22. H.P. \_\_\_\_\_
  23. R.P.M. \_\_\_\_\_
  24. Fuel \_\_\_\_\_
  25. Exhaust to Outside     Yes     No
  26. Ventilated Machine Room     Yes     No
  27. Fuel Tanks     Above Ground     Buried  
 Inside     Outside
  28. Tank Capacity \_\_\_\_\_
  29. Fuel Required for day's run \_\_\_\_\_

Other  
 30. Description: \_\_\_\_\_  
 \_\_\_\_\_

## Auxiliary Engine

31. Fuel \_\_\_\_\_ 32. H.P. \_\_\_\_\_  
33. R.P.M. \_\_\_\_\_ 34. Fuel Use Rate \_\_\_\_\_

Other

35. Description: \_\_\_\_\_  
\_\_\_\_\_

## Transformer Station

36. Enclosure Height \_\_\_\_\_  
37. Material \_\_\_\_\_  
38. Locked Gate  Yes  No  
39. Safety Signs  Yes  No  
40. Are all electrical transmission wires so located or physically shielded by grounded cages so that in case of a collapse or breakage the wires cannot come in contact with cars or passengers?  Yes  No

## Speed Control

41.  By Attendant  Automatic  
42. If Automatic, Specify Type (Governor, Hydraulic, Pneumatic, Etc.,) \_\_\_\_\_

## Emergency Brake

43. On Drive Shaft  Yes  No  
 Manual  Automatic  
44. On Drive Sheave  Yes  No  
 Manual  Automatic  
45. On Track Rope  Yes  No  
 Automatic  Under Control of Conductor

## Drive Brake and Stop

46.  Electric  Mechanical  
47. Location \_\_\_\_\_  
48.  Belt  Clutch Chain  Other  
49. Reverse rotation automatic bullwheel or drive gear stop?  Yes  No

## Machine Enclosure

50. Type (Fence, Building, Etc.) \_\_\_\_\_  
51. Height \_\_\_\_\_  
52. Minimum Clearance Between Machine Enclosure \_\_\_\_\_  
53. Space Lighted  Yes  No  
54. Moving Parts Guarded or Inaccessible  Yes  No  
55. Exhaust Ventilation  Yes  No

## Clearance

56. Width of Path \_\_\_\_\_  
57. Vertical Clearance of Moving Equipment  
a. Above any obstacle \_\_\_\_\_ b. Above any occupiable space \_\_\_\_\_  
58. Horizontal Clearances  
a. Up & Down hill ropes \_\_\_\_\_ b. Passing Cabins \_\_\_\_\_  
c. Pole-tower \_\_\_\_\_ Tower Base to Rope \_\_\_\_\_

## Towers

59. Numbered  Yes  No  
60. Guyed  Yes  No  
61. Grounded  Yes  No  
62. Dia. Of Tower Sheaves \_\_\_\_\_  
63. Minimum Clearance to Carrier \_\_\_\_\_

## Speed

64. Rope speed  Constant at \_\_\_\_\_ F.P.M.  
 Variable From \_\_\_\_\_ To \_\_\_\_\_  
65. Carrier (FPM)  
a. Loading Skiers \_\_\_\_\_ b. Unloading Skiers \_\_\_\_\_  
c. Load or Unload Non-skiers \_\_\_\_\_  
66. Cars or Cabins with Conductors (FPM)  
a. No. of Passengers \_\_\_\_\_ b. At Terminals \_\_\_\_\_  
c. Over Saddles \_\_\_\_\_ d. Between Towers \_\_\_\_\_  
67. Cars or Cabins Without Conductors (FPM)  
a. No. of Passengers \_\_\_\_\_ b. At Terminals \_\_\_\_\_  
c. Over Saddles \_\_\_\_\_ d. Between Towers \_\_\_\_\_

## Emergency Stop

68. Non-Restoring Type  Yes  No  
69. At Both Terminals  Yes  No  
70. At Loading and Unloading Points  Yes  No  
71. In Machine Room  Yes  No

## Start Mech.

72. Sole Control of Attendant?  Yes  No  
At Drive Station Only?  Yes  No

## Communication

73. Between Operating Room, and Attending Cabins  Yes  No  
74. And Between Terminals  Yes  No  
75. Type \_\_\_\_\_  
76. Two-Way  Yes  No  
77. Independent Power Supply  Yes  No

## Cabins, Cars or Chairs

78. Closed and Ventilated  Yes  No  
79. Shatterproof Glass  Yes  No  
80. Locks on Doors  Yes  No  
81. Emergency Key in Cabin under Glass  Yes  No  
82. Diameter of Truck Wheel \_\_\_\_\_  
83. Auto Brake  Yes  No  
84. All Cabins, Cars, Etc. Numbered \_\_\_\_\_ 85. B.S.A. Approval No. For Grip \_\_\_\_\_

## Ropes

86. Trak Rope Diameter \_\_\_\_\_ 86a. Ultimate Break Strength \_\_\_\_\_  
87. Counterweight Rope Diameter \_\_\_\_\_ 87a. Ultimate Break Strength \_\_\_\_\_  
88. Number of Supporting Ropes  Mono Cable  Bicable  
89. Auxiliary Hauling Rope Type (Type 1 – Bicable Only) \_\_\_\_\_  
90. Emergency Escape  Yes  No

**Factors of Safety** - Based upon maximum loading, ultimate strength, 170 lb. per person

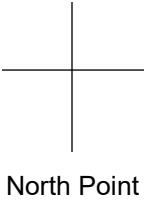
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|--|-------------------------------------|
| 91. Carriage Spacing _____             | 92. Wind M.P.H. _____               |
| 93. Hauling Rope _____                 | 94. Track Rope _____                |
| 95. Towers _____                       | 96. Terminals _____                 |
| 97. Carriers and their Fastening _____ | 98. Welding _____                   |
| 99. Counterweight Rope _____           | 100. Counterweight Rope Ratio _____ |
| 101. Guy or Back Stays _____           | 102. Foundations _____              |
- Designed to safely withstand imposed loads?     Yes     No

**Towers**

- |                         |                             |
|-------------------------|-----------------------------|
| 103. Nominal Size _____ | 104. Outside Diameter _____ |
| 105. Weight / Ft. _____ | 106. Thickness _____        |
| 107. Area _____         | 108. Section Modulus _____  |

**Weights**

- |                          |                                 |
|--------------------------|---------------------------------|
| 109. Counterweight _____ | 110. Track Rope LBS / FT. _____ |
| 111. Sheaves _____       | 112. Carriage _____             |
113. Project Areas
- a. Sheaves \_\_\_\_\_
  - b. Carriage \_\_\_\_\_
114. Required Data: The plans required to be submitted with these applications shall include:
- a. Profile of ski slope showing spacing of towers, location of bull wheel and counterweight bull wheel.
  - b. Tabulation of towers giving height, size, type of construction, size of footing, inclination from vertical, etc.
  - c. Details of tower construction of fabricated construction.
  - d. Diagram of counterweight roping.
  - e. Details of all safety devices as required by Code Rule 32.
  - f. All material to be submitted in triplicate.



North Point

115. Plot Plan - Scale

**I hereby certify that this information is true and accurate to the best of my knowledge.**

116. Signature of the Applicant and their Title \_\_\_\_\_

117. Name and Address of Firm \_\_\_\_\_

Telephone Number \_\_\_\_\_