

Gymnasium & Health Equipment Ltd.

RS-1 Retractable Stage

Product Specification

1. General

01. Posi-Stage shown in architects plans and specifications as manufactured by GYMNASIUM & HEALTH EQUIPMENT Limited.

2. Operation

01. Posi-Stage will automatically and positively lock in the extended position without the use of floor locks.

02. A system for assuring positive engagement and proper alignment between all vertical supports is required.

3. Design

01. Vertical steel columns shall be steel HSS Tubing.

02. Each rolling frame will be permanently coupled to its adjacent frame, which insures positive engagement and alignment of all vertical frames.

03. The floor of the Posi-Stage shall present a vertical front when closed.

04. Deck construction shall consist of a full plywood platform. Plywood to be $\frac{3}{4}$ " nominal CD grade T/G with solid cross band. Finish floor, carpet, tile, etc. to be supplied and installed by others. This stage is not designed for brittle or heavy finishes on top of the T/G Plywood Base Floor, Eg: Ceramic Tile.

4. Design Loading

The structures are designed to the following loads, in addition to the self-weight of the assembly.

A vertical live load of 4.8 K.P.A. (100 P.S.F.) over the platform area with a vertical live load of 1.75 kN/m for each linear metre, or a concentrated load of 2.2 kN.

5. Design Criteria

The design in accordance with the (Ontario Building Code) O.B.C. 2006 and therein listed relevant standards. These include the following:

C.S.A. S-16-1 Limit State Design of Steel Structures.

C.S.A. S136-01 Cold Formed Structures Steel Members

C.S.A. 086. 1-01 Engineered Design in Wood

C.S.A. S157-05 Strength Design Aluminum

C.S.A. W59-03 Welded Steel Construction
(Metal Arc Welding)

C.S.A. W-47.1- 03 Certification for Fusion-Welding of Steel.

A.S.T.M.-A-475 Air Craft Cable

Materials:

- Steel Sections and Plate: C.S.A. S-16- 01,

G40.21 300W, (44-W)

- Tubular Steel: HSS Materials C.S.A. S-16- 01,
A.S.T.M. A 500
- Plywood Sub-Floor: C.S.A. 086.1- 01 and
D. Fir Plywood: C.S.A. 0121-M1978 19mm
- Plywood Paneling: Minimum 12.5 mm
C.S.A. 0115- M- 1982 Type II; Face Veneer AWMAC Select
White Birch
- Solid Wood: AWMAC Premium Grade White Birch
- Aluminum: Extruded, C.S.A. S157- 05,
Grade 6061-T6 Alloy, Stage Frames Only.
- Fasteners all SAE Grade #5.

6. Finish

- A.) All steel under structure to be abraded, cleaned and finished in quality enamel paint.
- B.) All wood fascia risers around the floor deck to be finished with clears polyurethane.

7. Equipment Requirements

- 01. Supply Posi-Stage as shown on architectural plans and / or as described below:
Operation: Electrical powered.
1 HP instant reverse motor, 1200 RPM, 3 wire control system, 208 volt, single phase, 60 hertz motor draws 6.8 amps. under full load. (15 amp. circuit breaker at main panel.) C.S.A. Approved.
- 02. Supply accessories indicated on architectural plans.

8. Guarantee

- 01. 2-year Guarantee The entire installation will be guaranteed against faulty materials and workmanship for a period of two (2) years.

9. Installation

- 01. Install Posi-Stage in accordance with manufactures instructions and approved submittal drawings.

10. General Requirements

- 01. Posi-Stage (Recessed Pocket) Size
Width = [7010mm] or [23'- 0"]
Depth = [406mm] or [1'- 4"]
Height = [4724mm] or [15' – 6"]
Note: First three (3) courses of wall to be filled with [3000 psi.] or (20.4 MPa.) strength concrete. Minimum Block Wall Ht. = [190mm] or [8"].

11. Stage Dimensions

- 01. Posi-Stage (Recessed or Flush)
Width = [6096mm] or [20' – 0"]

Depth = [3657mm] or [12' – 0"]

Height = (above finished floor) = [584mm] or [1' – 11"]

12. Product Improvements

01. Posi-Stage provided shall incorporate design improvements and materials current at time of shipment.